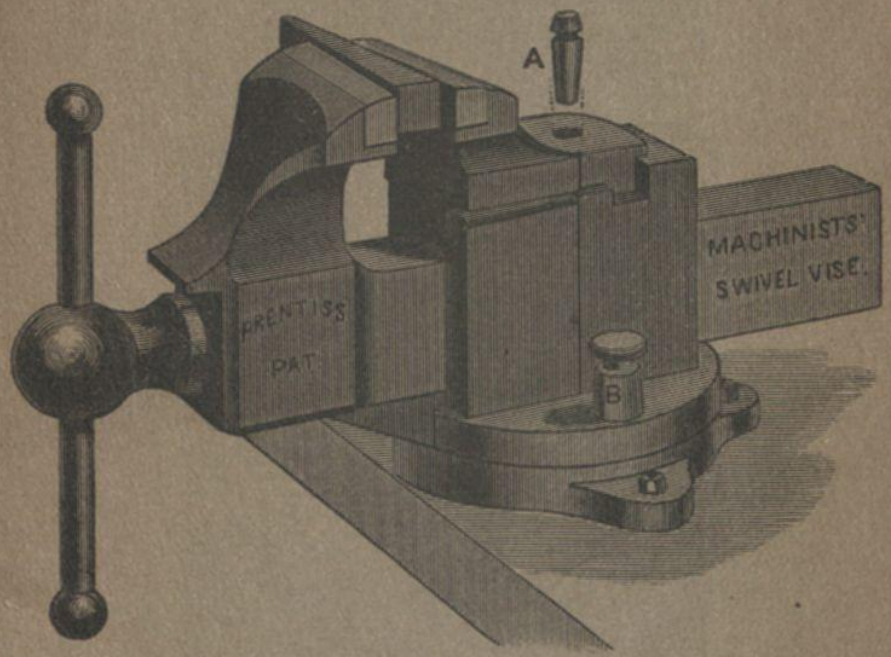
372

CATALOGUE X.

The PRENTISS PATENT VISE



Prentiss Vise Company,

Manufacturers,

44 Barclay Street,

New York, U.S.A.

CATALOGUE X.

ILLUSTRATED PRICE-LIST

OF

PRENTISS' PATENT VISES.

MANUFACTURED BY

Prentiss Vise Company,

44 Barclay St., New York,

U.S.A.

Factories:

WATERTOWN, N. Y. MONTOUR FALLS, N. Y. BRIDGEPORT, CONN.

NOTICE.

OUR VISES ARE SOLD BY DEALERS EVERYWHERE.

WE DESIRE to call attention of our patrons to the fact that our goods are imitated, in an inferior manner, by some unscrupulous manufacturers. We do not expect to provide *ALL* the vises used, but we do ask that when you honor us by ordering a

"PRENTISS VISE,"

or other vises of our manufacture, you will see that your dealer supplies a vise bearing our name (or the name under which it is catalogued in this price-list), which is conspicuously shown on every vise we make. We much prefer that our goods should be obtained through the regular trade, but if your nearest dealer does not carry them, and will not get them for you, we will supply them.

In ordering, use Catalogue numbers.

PRENTISS VISE CO., NEW YORK.

CATALOGUE X.

We herewith present to your notice the

Largest and Most Complete

Catalogue and Price-List of Vises ever printed, trusting you will consider it worth preserving for future reference. For over a quarter of a century we have manufactured . . . . . .

The Prentiss Vise.

We were pioneers in placing on the market well finished and properly constructed Vises, and we still maintain the lead, our goods being superior to any other make in style, finish and material. Recent additions to our already large factory equipments, made necessary by the ever increasing demand for our goods, will enable us to hereafter promptly fill all orders with which we may be favored.

Prentiss Vise Company.

Prentiss' Patent

Self-Adjusting Jaw Vises

Are of superior quality and workmanship, and possess **Manifest Advantages** over all others, and with our **Patent Swivel Bottom** and late improvements in manufacture, the **Prentiss' Vise** needs only to be seen to be approved; and being **complete in itself, without "attachments,"** it possesses, in addition to its own peculiar advantages, **all the merits** claimed for rival implements.

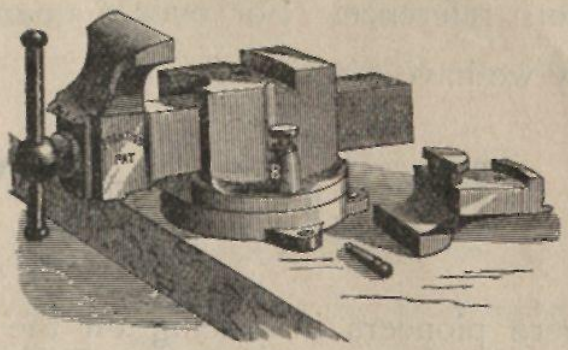


Figure 1.

Fig. 1 represents in detail an interior view of the mechanism of the **Prentiss' Self-Adjusting Jaw** with its supports.

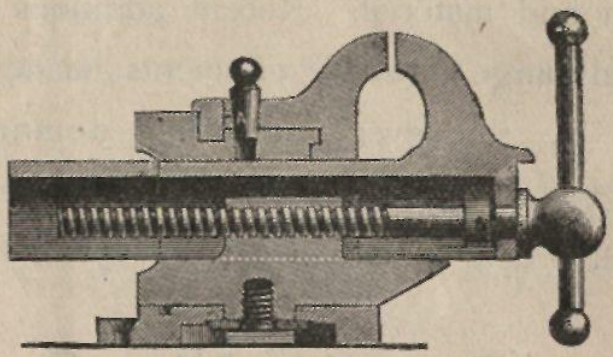


Figure 2.

Fig. 2 is a sectional view of the **Prentiss' Vise,** showing novelty and simplicity of its construction, from which may be readily seen there is nothing which can get out of order.

The **Back Jaw** of this **Vise** is **Self-Adjusting** and in use conforms by **Automatic Action** to any angle, **adjusts itself,** and makes firm the object held, whether it be **Straight, Bevelled** or **Wedged-Shaped.** By inserting pin A (see Fig. 3), the jaw becomes **Fixed,** thus making a **Parallel Solid Jaw Vise.**

The **Self-Adjusting Jaw,** resting and working as it does upon and against the **Solid Body of the Vise,** is thereby rendered absolutely as strong and durable as a solid jaw.

The **"Prentiss' Patent"** is the only **strong** and **durable** Self-Adjusting Jaw Vise in the market.

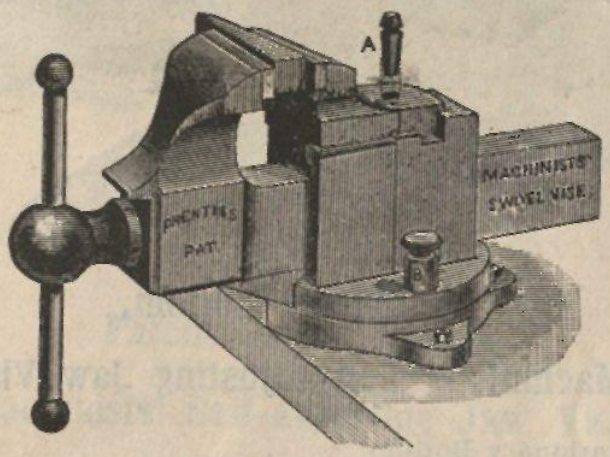
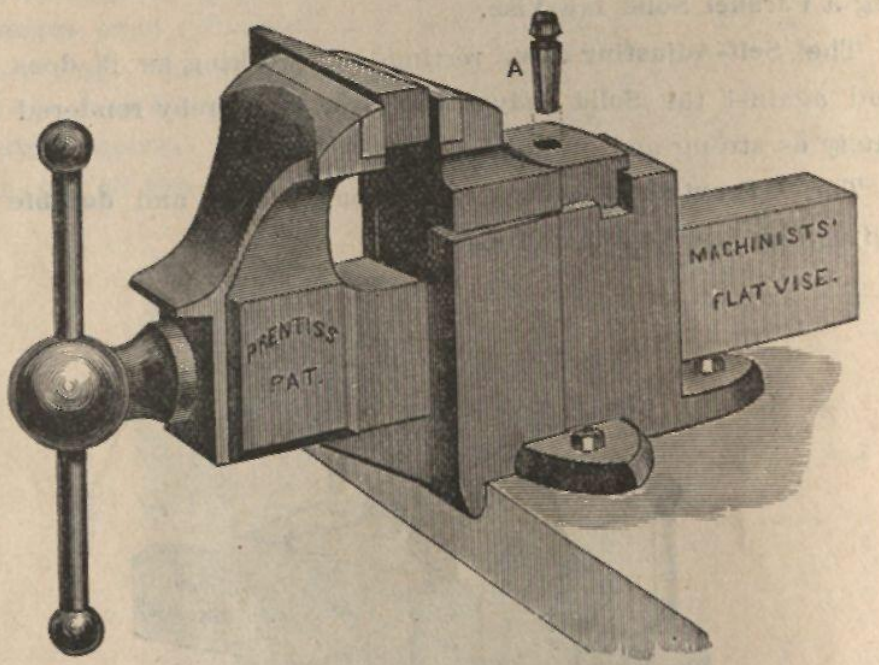


Fig. 3.—Prentiss' Patent Swivel Bottom.

Fig. 3. shows our **Patent Swivel Bottom,** by which the vise can be **instantly** adjusted to **right or left** at will of operator, by simply raising rachet pin B (see Fig. 3), which, on being freed, is instantly forced home by spring, thus rendering the vise **solid** and **firm, at** any desired angle.

Prentiss' Patent

IRON-WORKERS' VISES.



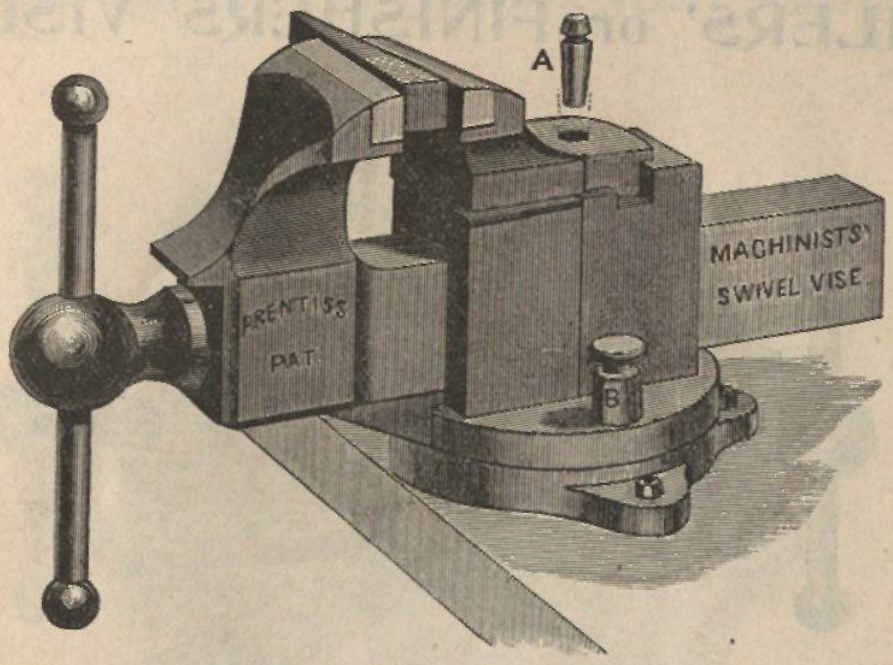
Stationary Bottom,

Machinists' Self-Adjusting Jaw Vise.

No. 1.	Stationary Bottom, ...	Price $ 5 50
	2⅝ in. Jaws. Opens 3½ in. Weight 13½ lbs.	
No. 2.	Stationary Bottom, ...	Price $ 7 00
	3½ in. Jaws. Opens 4¾ in. Weight 28 lbs.	
No. 2½.	Stationary Bottom, ...	Price $ 9 00
	4 in. Jaws. Opens 5¼ in. Weight 41 lbs.	
No. 3.	Stationary Bottom, ...	Price $10 50
	4½ in. Jaws. Opens 6 in. Weight 54 lbs.	
No. 4.	Stationary Bottom, ...	Price $17 00
	5¼ in. Jaws. Opens 8 in. Weight 96 lbs.	
No. 5.	Stationary Bottom, ...	Price $24 00
	6 in. Jaws. Opens 9 in. Weight 146 lbs.	
No. 6.	Stationary Bottom, ...	Price $30 00
	7 in. Jaws. Opens 11 in. Weight 184 lbs.	

Prentiss' Patent

IRON-WORKERS' VISES.



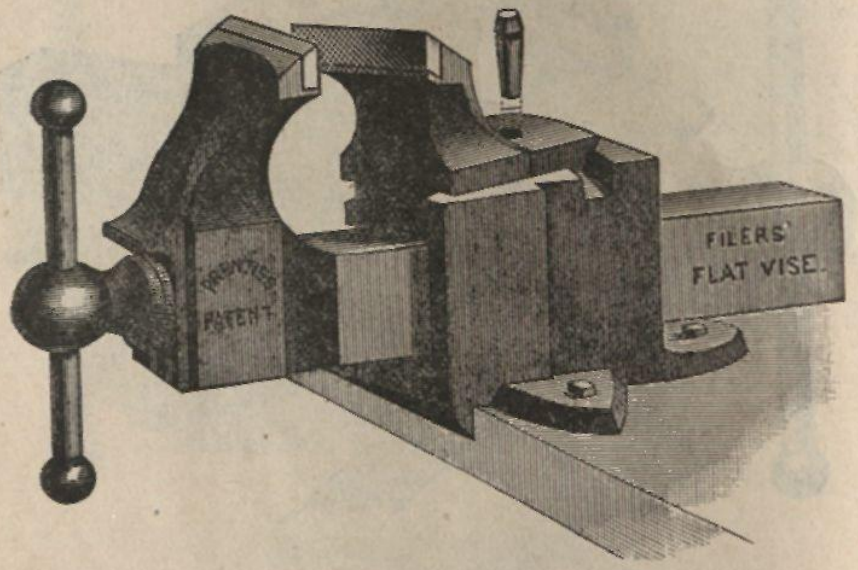
Patent Swivel Bottom,

Machinists' Self-Adjusting Jaw Vise.

No. 18.	Patent Swivel Bottom, $2\frac{5}{8}$ in. Jaws. Opens $3\frac{1}{2}$ in. Weight 17 lbs.	Price $ 6 75
No. 19.	Patent Swivel Bottom, $3\frac{1}{2}$ in. Jaws. Opens $4\frac{3}{4}$ in. Weight 32 lbs.	Price $ 8 50
No. 19½.	Patent Swivel Bottom, 4 in. Jaws. Opens $5\frac{1}{4}$ in. Weight 46 lbs.	Price $10 50
No. 20.	Patent Swivel Bottom, $4\frac{1}{2}$ in. Jaws. Opens 6 in. Weight 65 lbs.	Price $12 50
No. 21.	Patent Swivel Bottom, $5\frac{1}{4}$ in. Jaws. Opens 8 in. Weight 109 lbs.	Price $19 00
No. 22.	Patent Swivel Bottom, 6 in. Jaws. Opens 9 in. Weight 168 lbs.	Price $27 00
No. 23.	Patent Swivel Bottom, 7 in. Jaws. Opens 11 in. Weight 207 lbs.	Price $35 00

Prentiss' Patent

FILERS' or FINISHERS' VISE.



Stationary Bottom,

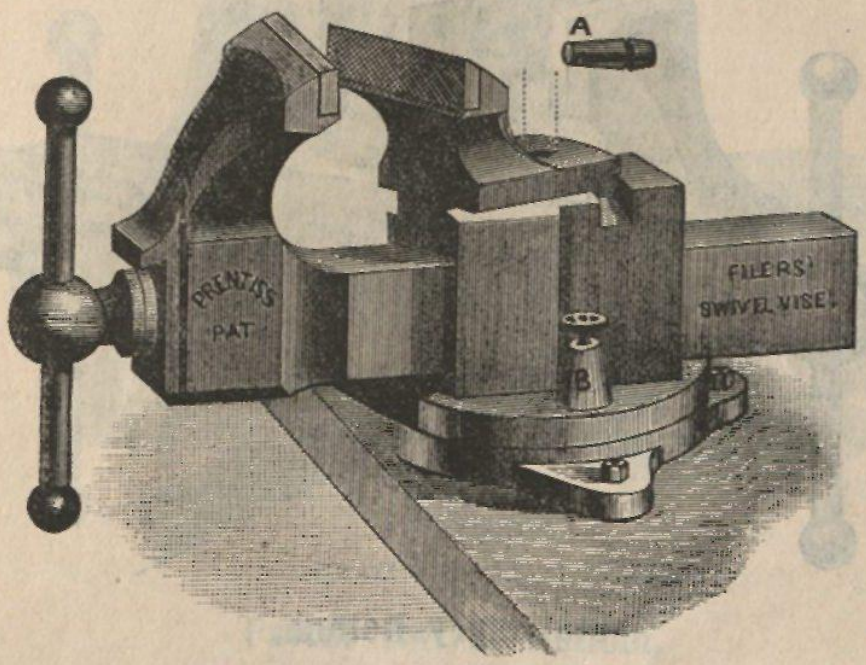
Filers' Self-Adjusting Jaw Vise.

These implements were especially designed and introduced to satisfy demand for a vise of this class, embracing the advantages of our Patent Self-Adjusting Jaw and Patent Swivel Bottom. The peculiarities of its construction are **lean, high jaws, long arm and large throat.** Rough-cut or smooth Jaws.

No. 42. Stationary Bottom, ... Price $ 8 00
4¼ in. Jaws. Opens 5¼ in. Weight 42 lbs.

Prentiss' Patent

FILERS' or FINISHERS' VISE.



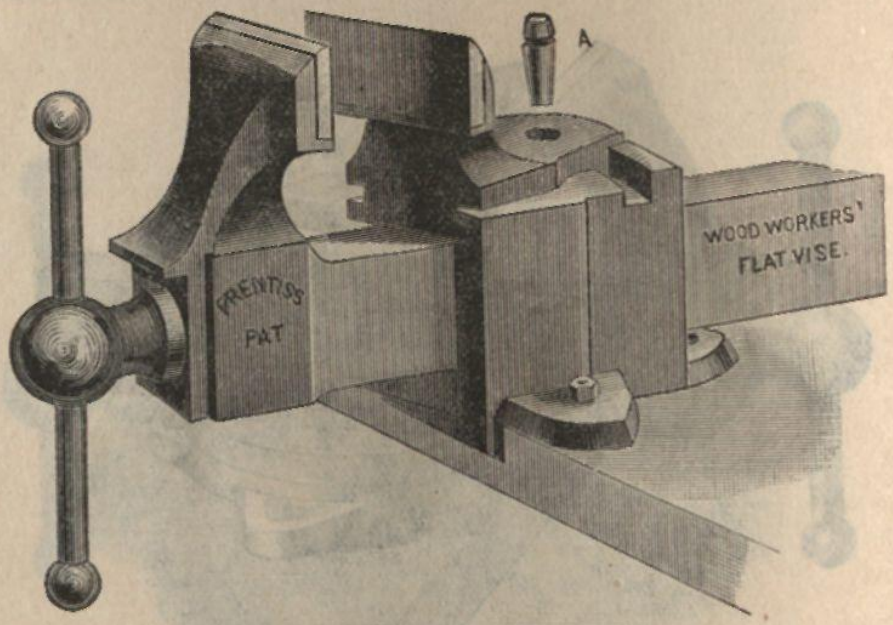
Patent Swivel Bottom,

Filers' Self-Adjusting Jaw Vise.

We call especial attention to our **NEW MODEL** Filers' or Finishers' Vises, having **increased the weight** and **size** making them the **STRONGEST** vises of this style ever offered.

No. 47. Patent Swivel Bottom, ... **Price $10 00**
4¼ in. Jaws. Opens 5¼ in. Weight 47 lbs.

Prentiss' Patent
WOOD-WORKERS' VISES.



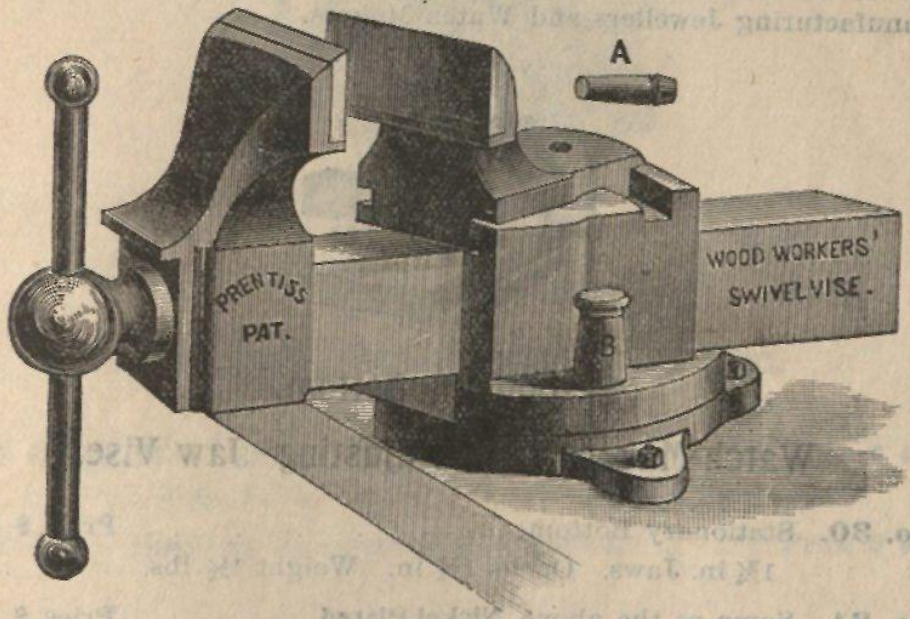
Stationary Bottom,
Coach-Makers' Self-Adjusting Jaw Vise.

Our "Coach-Makers'" Vises, which are constructed upon the same principles as the Iron-Workers' before described, are acknowledged to possess many advantages over any other yet offered for use of Car and Carriage-Builders, Furniture Manufacturers, Pattern Makers and all Wood-Workers.

No. 12.	Stationary Bottom, ... 3½ in. Jaws. Opens 7 in. Weight 30 lbs.	Price $ 8 00
No. 10.	Stationary Bottom, ... 4½ in. Jaws. Opens 9½ in. Weight 59 lbs.	Price $11 00

Prentiss' Patent

WOOD-WORKERS' VISES.



Patent Swivel Bottom,

Coach-Makers' Self-Adjusting Jaw Vise.

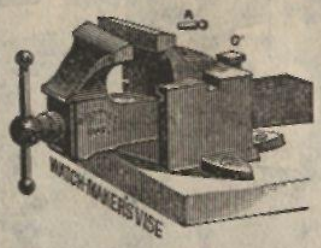
Our Self-Adjusting Jaw, combined with the Patent Swivel Bottom, makes the best vise ever offered artisans in wood, the large surfaces of the jaws (which are finished perfectly smooth) protecting the work from injury, while the Self-Adjusting Jaw easily and firmly holds articles of any shape.

No. 27. Patent Swivel Bottom, ... Price $ 9 50
3½ in. Jaws. Opens 7 in. Weight 34 lbs.

No. 26. Patent Swivel Bottom, ... Price $13 00
4½ in. Jaws. Opens 9½ in. Weight 67 lbs.

Prentiss' Patent
WATCH-MAKERS' VISES.

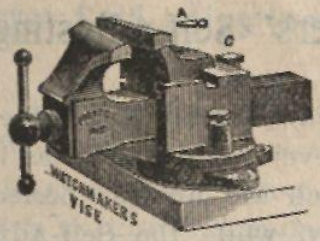
Our **Watch-Makers' and Jewellers' Vises** are made with **Cast Steel Square Anvil** (letter C), raised at the back, and **Jaws Rough-Cut** or **Smooth** as desired, being especially adapted to the uses of Manufacturing Jewellers and Watch-Makers.



Stationary Bottom,
Watch-Makers' Self-Adjusting Jaw Vise.

No. 30. Stationary Bottom, ... Price $ 3 50
1¾ in. Jaws. Opens 1¾ in. Weight 1½ lbs.

No. 31. Same as the above, **Nickel Plated,** . . . Price $ 5 75

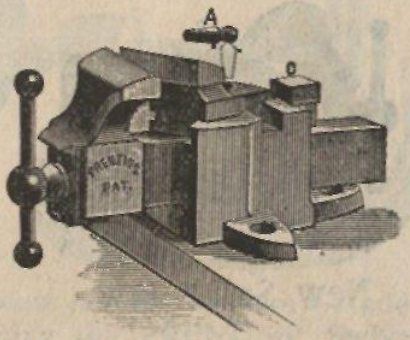


Patent Swivel Bottom,
Watch-Makers' Self-Adjusting Jaw Vise.

No. 35. Patent Swivel Bottom, ... Price $ 4 50
1¾ in. Jaws. Opens 1¾ in. Weight 2 lbs.

No. 36. Same as the above, **Nickel Plated,** . . . Price $ 6 75

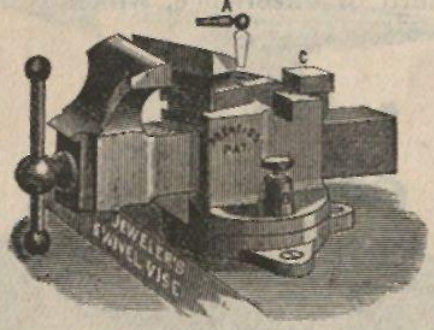
Prentiss' Patent
JEWELLERS' VISES.



Stationary Bottom,
Jewellers' Self-Adjusting Jaw Vise.

No. 32. Stationary Bottom, ... Price $ 4 00
2 in. Jaws. Opens 2 in. Weight 3½ lbs.

No. 33. Same as the above, **Nickel Plated,** . . Price $ 6 50

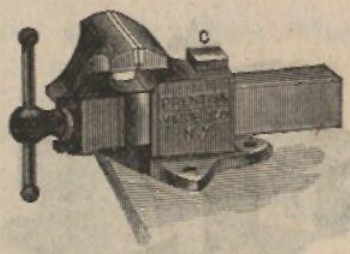


Patent Swivel Bottom,
Jewellers' Self-Adjusting Jaw Vise.

No. 37. Patent Swivel Bottom, ... Price $ 5 00
2 in. Jaws. Opens 2 in. Weight 4½ lbs.

No. 38. Same as the above, **Nickel Plated,** . . Price $ 7 50

Prentiss' Solid Jaw
JEWELLERS' VISES.

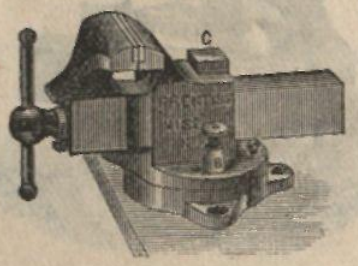


New Solid Jaw,
Stationary Bottom Vise, with Anvil.

No. 34. Stationary Bottom, ... Price $ 3 00
2 in. Jaws. Opens 2 in. Weight 2 lbs.

No. 34½. Same as the above, **Nickel Plated,** . . Price $ 4 75

In addition to our regular lines of long and favorably known Prentiss' Patent Jewellers' and Watch-Makers' Vises, we now offer these new implements in which the special features are **Solid Back Jaw** (instead of "Self-Adjusting"), and the lowest price consistent with our high standard of excellence, which is fully maintained.

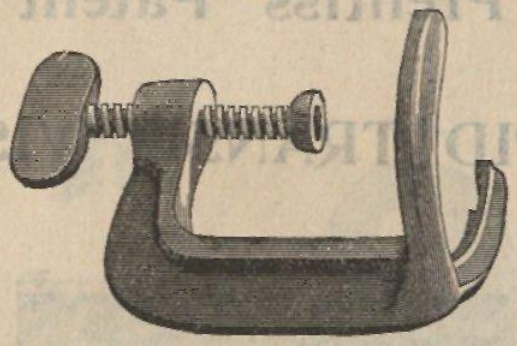


New Solid Jaw,
Patent Swivel Vise, with Anvil.

No. 39. Patent Swivel Bottom, ... Price $ 4 00
2 in. Jaws. Opens 2 in. Weight 2¾ lbs.

No. 39½. Same as the above, **Nickel Plated,** . . Price $ 5 75

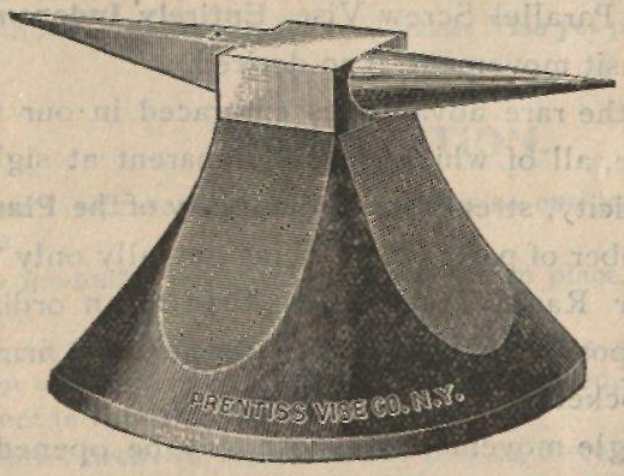
Prentiss'
TABLE CLAMP FOR VISES.



This figure represents a superior Clamp, made in Malleable Iron for temporarily fastening the **PRENTISS' Swivel bottom** Vise to **Table, Bench or Rail of Vessel,** the latter being a great convenience to engineers afloat, where shop facilities are necessarily very limited.

For Vise No.	**35,**	**37,**	**18,**	**19,**	**20,**	**21,**
Price, - -	.75	.85	1 50	2 00	2 50	3 00

Prentiss'
JEWELLERS' TABLE ANVILS.



No. 500. Painted Base. Anvil polished, each, 60 cents.
No. 502. Same, Fully Nickel-plated, " 80 "

These Anvils are made of the best quality of Cast Steel and are handsomely finished in every respect. The bases are made low and weighted at bottom to make them stand firmly on table.

Weight, 1¼ pounds. Height, 2 inches.
Each Anvil is neatly boxed.

Prentiss' Patent

RAPID TRANSIT VISES.

Attention of the trade, manufacturers and mechanics is called to the **Prentiss Vise Company's** superior **Rapid Transit Bench Vise.**

This vise has outlived several styles of quick-acting vises, and is giving better satisfaction than any such vise ever offered.

Our plan is new, and a better method for Rapid Transit movement than any heretofore offered and can be operated as a first-class Parallel Screw Vise, **Entirely Independent** of the Rapid Transit movement, if so desired.

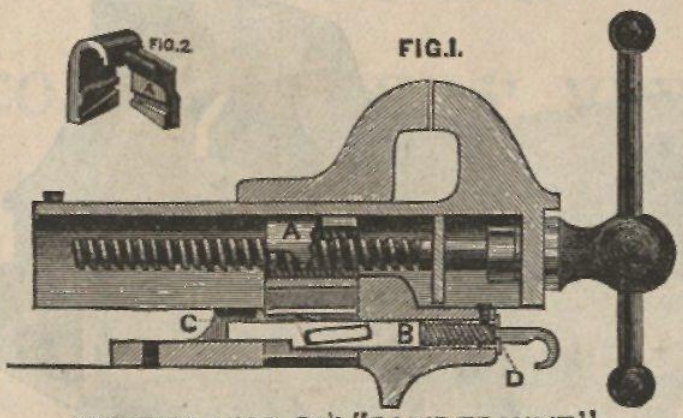
Among the rare advantages embraced in our new Rapid Transit Vise, all of which are self-apparent at sight, are extreme simplicity, strength and durability of the **Plan**—the very limited number of parts (there being actually only two pieces more in our Rapid Transit Vise than in an ordinary screw vise),—the positive action, great strength and firmness of the nut when locked.

By a single movement this vise may be opened or closed full length, and the nut will engage the screw at any point.

This is the only quick-action vise having full nut.

Prentiss' Patent Rapid Transit

PARALLEL VISES.



PRENTISS VISE Co's "RAPID TRANSIT"

The above is a sectional view of the mechanism of our New Patent Rapid Transit Invention.

Our plan is entirely new, and needs only to be seen to convince that it is the **Least Complicated, Most Positive, Simplest, Strongest** and best method for operating Rapid Transit Vise yet put in market.

DESCRIPTION.

Figure 1 represents half section of vise cut lengthwise through all parts.

A is one-half of our Rapid Transit Nut in place, disengaged from the screw.

B is an **Operating Bar** carrying two **Inclines** or **Ledges** (all one piece), by which the nut is both opened and closed, and by the same movement is **firmly locked.**

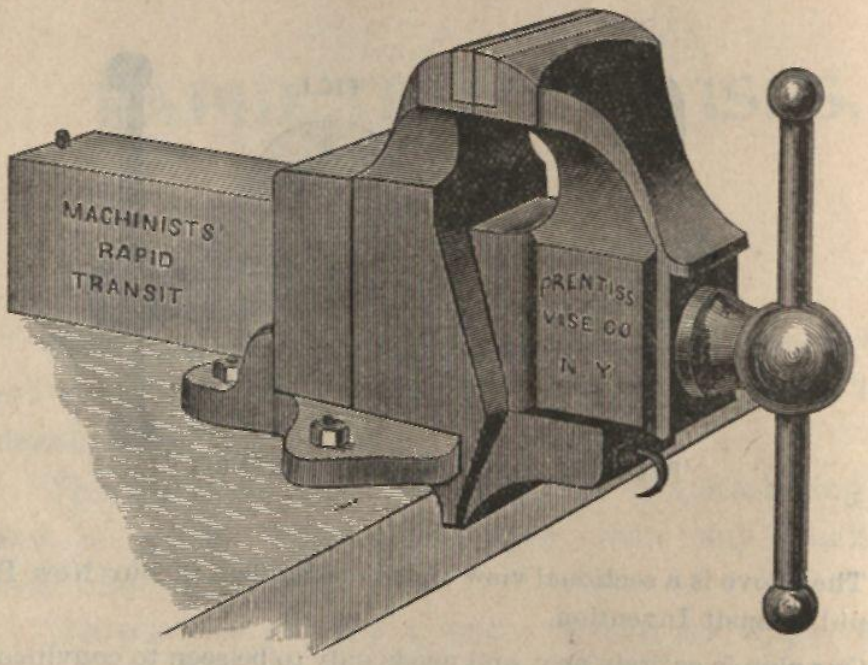
C shows **Groove** in which **Incline** travels, thereby forcing one-half nut up and the other down simultaneously, on moving the **Bar** to front or rear one-half inch.

D is a **Ratchet Catch** on operating bar, which, when engaged, holds nut open.

Figure 2 shows the whole nut detached.

Prentiss' Rapid Transit

MACHINISTS' VISES.



Machinists' New Rapid Transit Vise.

No. 70. Stationary Bottom, ... Price $ 6 50
3 in. Jaws. Opens 3½ in. Weight 22 lbs.

No. 71. Stationary Bottom, ... Price $ 8 00
3¾ in. Jaws. Opens 4½ in. Weight 33 lbs.

No. 72. Stationary Bottom, ... Price $11 00
4¼ in. Jaws. Opens 5½ in. Weight 54 lbs.

No. 73. Stationary Bottom, ... Price $13 50
4¾ in. Jaws. Opens 6½ in. Weight 65 lbs.

No. 74. Stationary Bottom, ... Price $19 00
5½ in. Jaws. Opens 8 in. Weight 98 lbs.

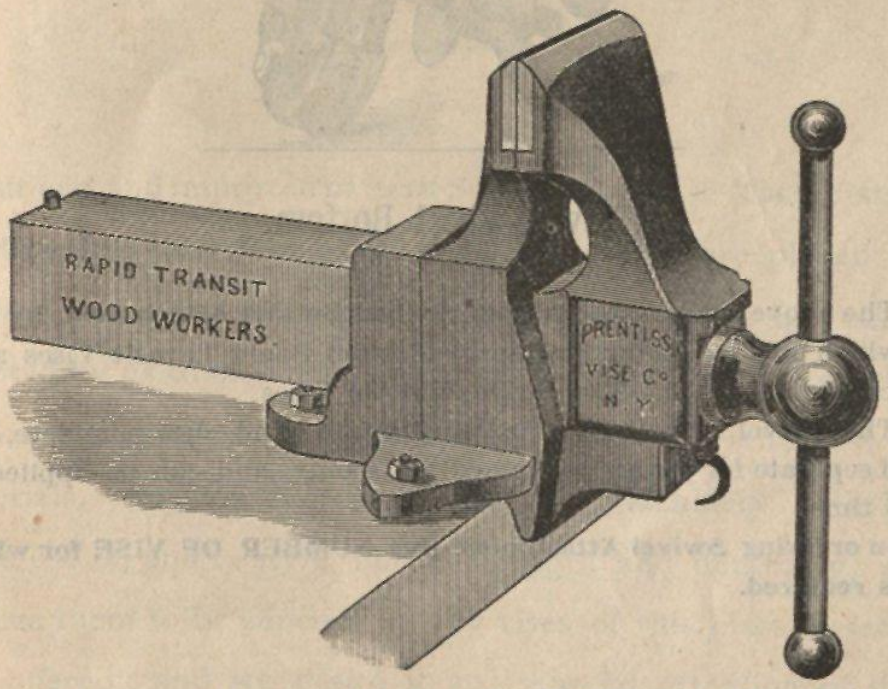
No. 75. Stationary Bottom, ... Price $28 00
6½ in. Jaws. Opens 9½ in. Weight 150 lbs.

For price SWIVEL BOTTOMS see page 22.

Prentiss' Rapid Transit

WOOD-WORKERS'

OR COACH-MAKERS' VISE.



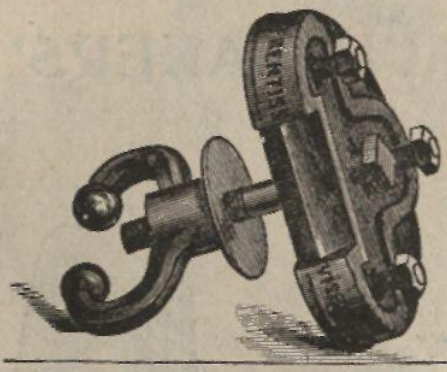
Coach-Makers' New Rapid Transit Vise.

No. 76. Stationary Bottom, ... Price $11 50
4¼ in. Jaws. Opens 9 in. Weight 55 lbs.

Swivel Bottom Attachment for above, . . $1 75

Swivel Bottom Attachments for

RAPID TRANSIT VISES.



New Swivel Bottom.

The above represents our **New Swivel Bottom Attachment,** by use of which all sizes of our Stationary Bottom Rapid Transit Vises may be changed into first-class Swivel Bottom Vises.

The Swivel Plate Attachments, with bolts and nuts complete, are sold separate for the above named vises only, and can be applied at any time.

In ordering Swivel Attachment give NUMBER OF VISE for which it is required.

PRICE LIST FOR SWIVEL BOTTOMS

INCLUDING BOLTS AND NUTS.

For Vise No. 70, ...	$1 00
For Vise No. 71, ...	1 50
For Vise No. 72 and 73, ...	1 75
For Vise No. 74, ...	2 50
For Vise No. 75, ...	3 25
For Vise No. 76, ...	1 75

Prentiss'

SOLID JAW PARALLEL VISES

"BULL DOG."

(TRADE MARK.)

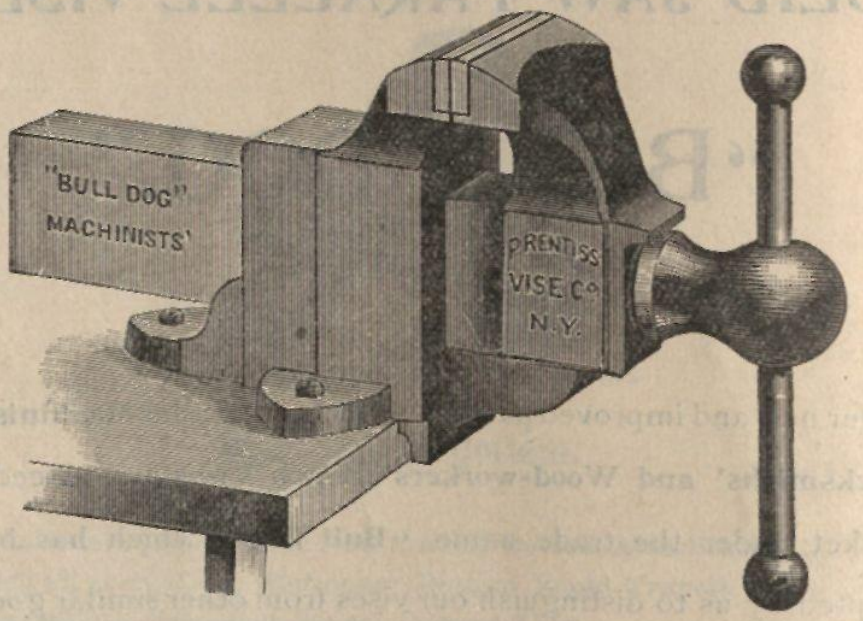
Our new and improved pattern **Solid Jaw** parallel **Machinists', Blacksmiths' and Wood-workers'** Bench Vises are placed in market under the trade name **"Bull Dog,"** which has been adopted by us to distinguish our vises from other similar goods.

In manufacturing the **"Bull Dog"** Vises only the best of materials, workmanship, and improved machinery will be made use of, and in style, finish, strength and durability, we believe them to be superior to any vises of this class heretofore offered; and we desire to call special attention of the trade to the following attractive features presented in connection with the **"Bull Dog" Vises:** They are not only of best pattern, best materials, best workmanship and finish, but also are sold at **Lower Prices** than any other first-class vise of this kind.

All Parts Duplicated on Call.

Machinists'

"BULL DOG" VISES.

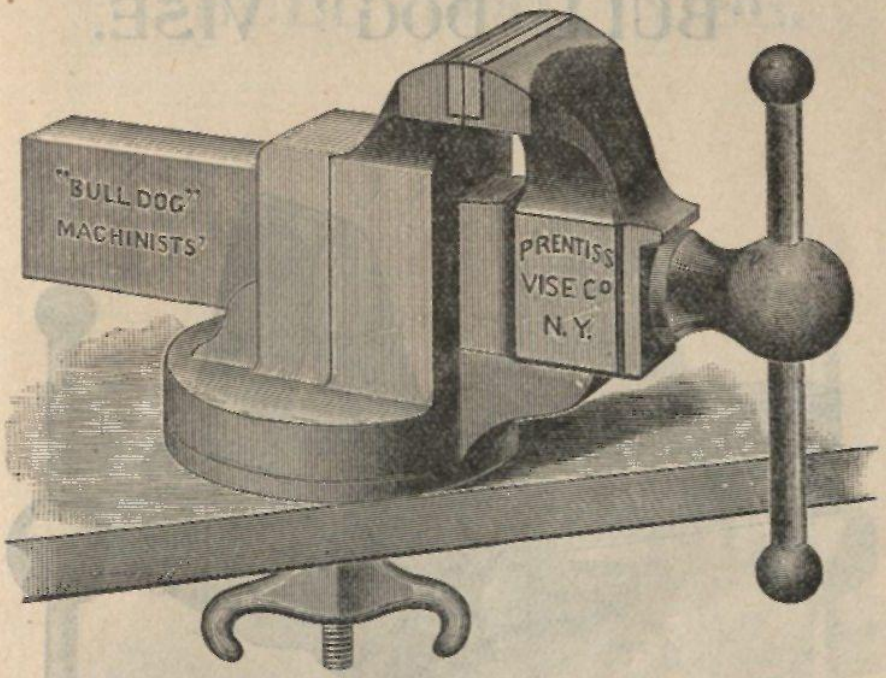


Stationary Bottom,
Machinists' Solid Jaw, Parallel Vise.

No. 50.	Stationary Bottom, 3¼ in. Jaws. Opens 4 in. Weight 22 lbs.	Price $ 6 00
No. 51.	Stationary Bottom, 3⅝ in. Jaws. Opens 5½ in. Weight 28 lbs.	Price $ 7 00
No. 52.	Stationary Bottom, 4⅛ in. Jaws. Opens 6 in. Weight 42 lbs.	Price $ 8 50
No. 53.	Stationary Bottom, 4⅝ in. Jaws. Opens 7 in. Weight 52 lbs.	Price $10 00
No. 54.	Stationary Bottom, 5 in. Jaws. Opens 8 in. Weight 72 lbs.	Price $13 00
No. 55.	Stationary Bottom, 5½ in. Jaws. Opens 9 in. Weight 100 lbs.	Price $18 50
No. 56.	Stationary Bottom, 6 in. Jaws. Opens 10 in. Weight 135 lbs.	Price $25 00
No. 57.	Stationary Bottom, 7 in. Jaws. Opens 12 in. Weight 210 lbs.	Price $37 50

Machinists'

"BULL DOG" VISES.



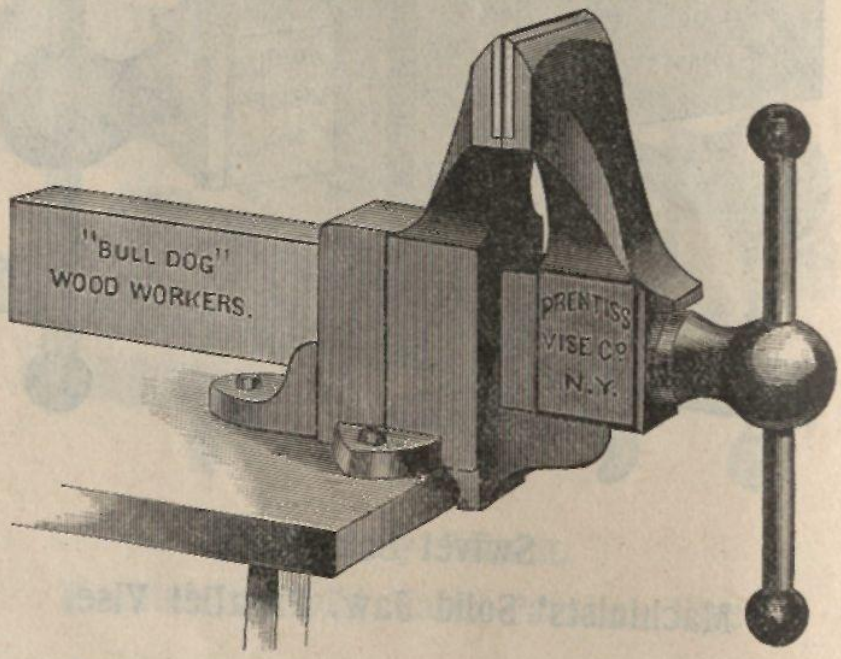
Swivel Bottom,

Machinists' Solid Jaw, Parallel Vise.

No. 90.	Swivel Bottom, ... 3¼ in. Jaws. Opens 4 in. Weight 28 lbs.	Price $ 7 50
No. 91.	Swivel Bottom, ... 3⅝ in. Jaws. Opens 5½ in. Weight 36 lbs.	Price $ 8 75
No. 92.	Swivel Bottom, ... 4⅛ in. Jaws. Opens 6 in. Weight 52 lbs.	Price $10 50
No. 93.	Swivel Bottom, ... 4⅝ in. Jaws. Opens 7 in. Weight 64 lbs.	Price $12 50
No. 94.	Swivel Bottom, ... 5 in. Jaws. Opens 8 in. Weight 85 lbs.	Price $16 00
No. 95.	Swivel Bottom, ... 5½ in. Jaws. Opens 9 in. Weight 115 lbs.	Price $22 00
No. 96.	Swivel Bottom, ... 6 in. Jaws. Opens 10 in. Weight 155 lbs.	Price $30 00
No. 97.	Swivel Bottom, ... 7 in. Jaws. Opens 12 in. Weight 235 lbs.	Price $42 50

Wood=Workers'

"BULL DOG" VISE.



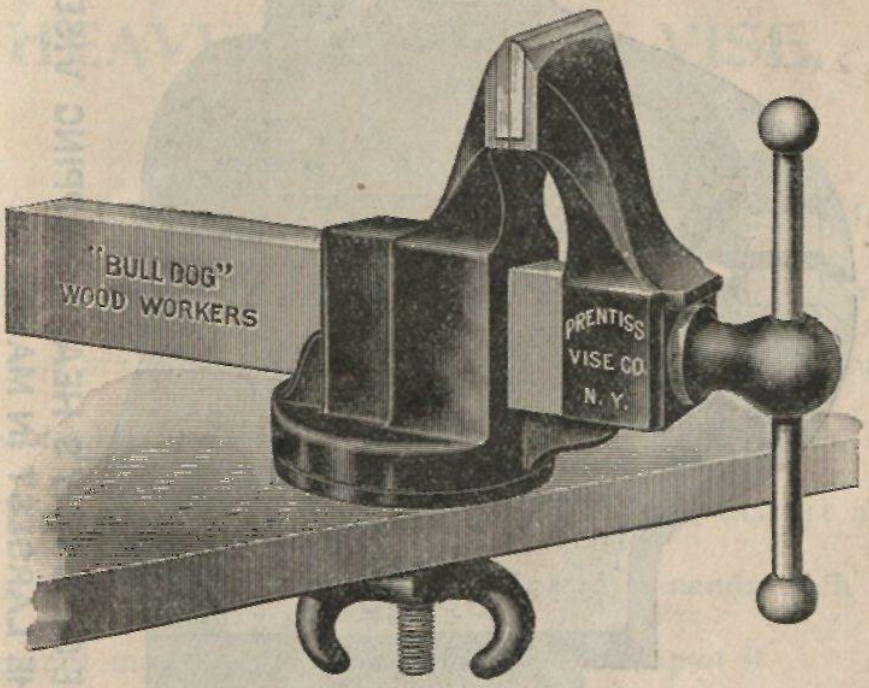
Stationary Bottom,
Coach-Makers' Solid Jaw, Parallel Vise.

The above is a medium sized Wood-Workers' Vise designed for the use of Carriage and Wagon Makers, Pattern Makers and Wood-Workers generally.

No. 59. Stationary Bottom, ... Price $9 50
4¼ in. Jaws. Opens 9 in. Weight 48 lbs.

Wood-Workers'

"BULL DOG" VISE.



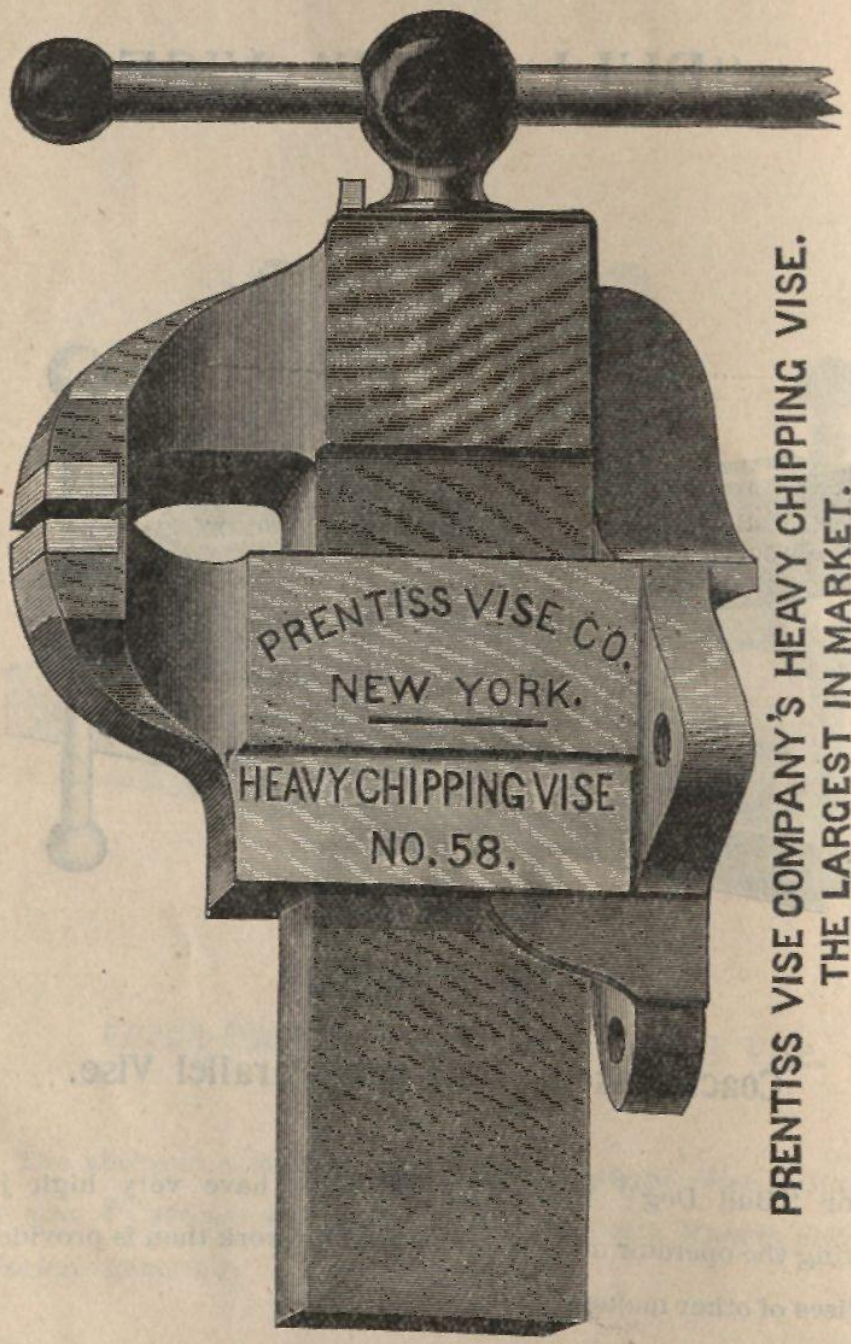
Swivel Bottom,

Coach-Makers' Solid Jaw Parallel Vise.

Our "Bull Dog" Wood-Workers' Vises have very high jaws, allowing the operator more room for holding work than is provided in the vises of other makers.

No. 99. Swivel Bottom, ... Price $11 50

4¼ in. Jaws. Opens 9 in. Weight 58 lbs.



PRENTISS VISE COMPANY'S HEAVY CHIPPING VISE.
THE LARGEST IN MARKET.

SPECIAL NOTICE.

Prentiss' Vise Company's

HEAVY CHIPPING VISE.

We have just introduced on the market a New Solid Jaw Heavy Chipping Vise, made especially to supply the demand for a vise of this class for use in Railroad and Machine Shops, Foundries, Glass Works, Mills and Large Manufactories.

This is the **Largest** and **Heaviest Vise** in the market and possesses all requisites to meet the heavy demands such an implement may be expected to have made upon it.

PRICE.

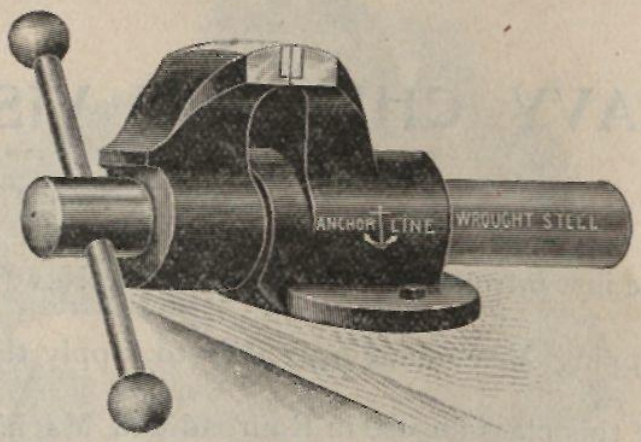
No. 58. . . . . . $50 00

8½ in Jaws. Opens 12 in. Weight 275 lbs.

Swivel Bottom Attachment for above, . . $5 00

Bingham Patent

"ANCHOR LINE" VISES.



Non-Breakable. Cylindrical Wrought Steel Slides. Best Quality Steel Jaws. Finish Unsurpassed.

No. 300.	Jaws 1¼ in.	Opens 1½ in.	Weight 1 lb.	Price $	2 00
No. 302.	" 2 "	" 2½ "	" 3½ lbs.	"	2 75
No. 303.	" 2½ "	" 4 "	" 9½ "	"	3 25
No. 304.	" 3 "	" 4½ "	" 16 "	"	4 50
No. 305.	" 3½ "	" 5 "	" 22 "	"	6 00
No. 306.	" 4 "	" 6½ "	" 33 "	"	7 50
No. 307.	" 4½ "	" 7½ "	" 46 "	"	10 00
No. 308.	" 5 "	" 8 "	" 70 "	"	12 50

SWIVEL BASE ATTACHMENTS.

No. 1.	Swivel Base, fits Vise No. 300	30 cents.
No. 2.	" " " Vises Nos. 302, 303	30 "
No. 3.	" " " " " 304, 305, 306, 307, 326	50 "
No. 4.	" " " Vise No. 308	75 "

Bingham Patent

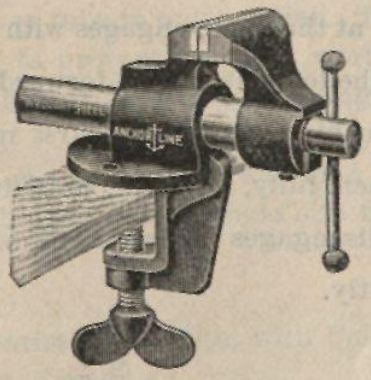
"ANCHOR LINE" VISES.

WOOD-WORKERS' VISE.

Non-Breakable. Cylindrical Wrought Steel Slides. Best Quality Steel Jaws. Finish Unsurpassed.

No. 326. Jaws 4½ in. Opens 12 in. Weight 47 lbs. Price $10 50

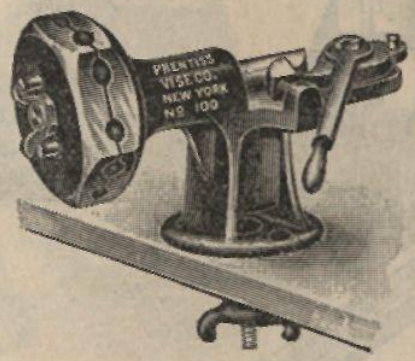
ANCHOR TABLE CLAMP VISE.



No. 301. Jaws 1¾ in. Opens 1¾ in. Weight 1¾ lbs. Price $2 50

Prentiss'

PATENT BICYCLE VISE.



Swivel Bench Vise.

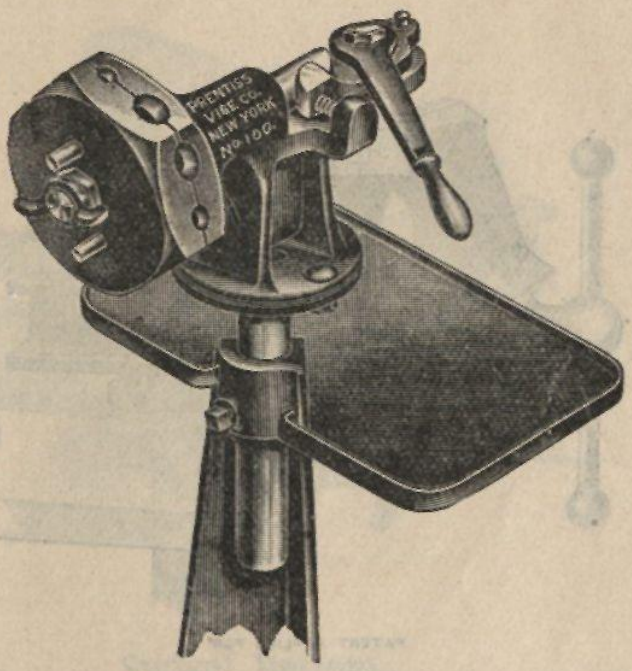
THE OPERATION OF THIS VISE IS VERY SIMPLE.

With one hand work is placed between the jaws, opposite its proper groove, while with the other the front jaw is closed, when the latch, shown on top of vise at the back, engages with corresponding notch in sliding stem; then the lever is pulled forward to draw the two jaws firmly together. Pushing lever back first relieves pressure on the jaws, not opening them fully, however, until it strikes pin shown on back of latch—this disengages the latter, allowing jaws to open automatically and instantly.

No. 100. Prentiss' Swivel Bike Vise, . Price $7 00

Prentiss'

PATENT BICYCLE VISE.



With Adjustable Stand and Tool Table.

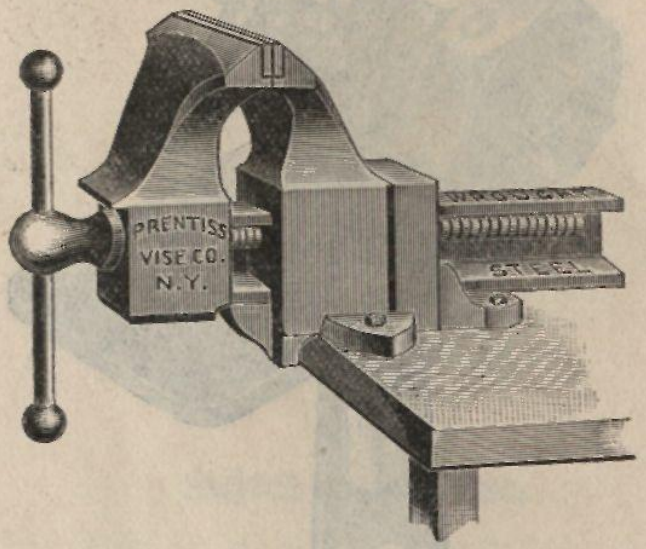
Designed especially for Bicycle Factories and Repair Shops. The most convenient and quickest-acting vise made. Thoroughly up to date. Holds frames or tube in any position. The jaws, which revolve, are faced with lead to prevent marring work, and are grooved to accurately fit six different diameters, varying by eighths from ⅝ to 1¼ inclusive.

The iron column or stand can be adjusted to any suitable height, and is furnished with tool table of ample size to conveniently hold all necessary tools.

No. 100. Prentiss' Bike Vise, with Column and Tool Table, ... Price $13 00

Prentiss' New Steel Bar

FILERS' VISE.



PATENT APPLIED FOR.

Stationary Bottom,

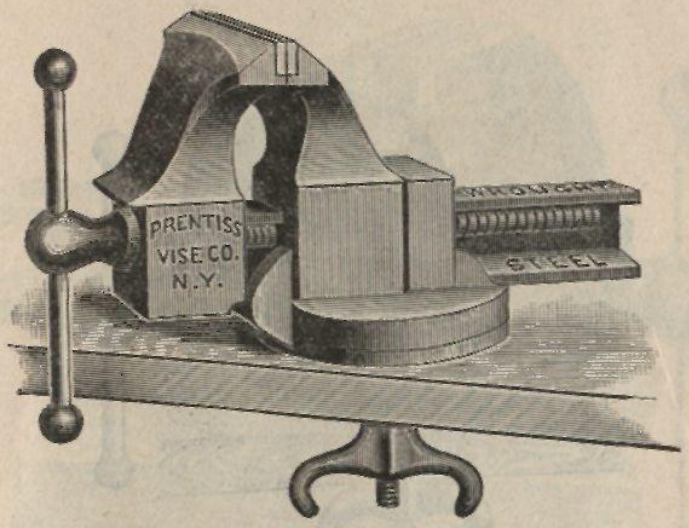
Filers' or Finishers' Vise.

Unlike all other so-called "Steel Arm Vises," the Prentiss is absolutely as inflexible and rigid as though made with cast iron slide, thus insuring the user a parallel vise that will not spring nor break. The nut is fastened in the centre of vise body, giving a maximum grip with minimum friction and strain.

No. 43. Stationary Bottom, ... Price $7 00
4 in. Jaws. Opens 6 in. Weight 37 lbs.

Prentiss' New Steel Bar

FILERS' VISE.



PATENT APPLIED FOR.

Swivel Bottom,

Filers' or Finishers' Vise.

Our wrought steel (channel) sliding bar renders it possible to construct this vise with the highest jaws and largest throat opening of any vise ever before offered, thus holding the largest and most complicated work, being particularly adapted to bicycle manufacturing and repair shops.

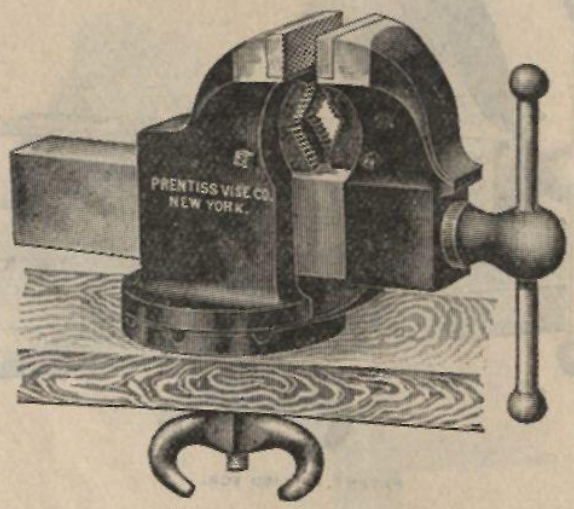
Rough-cut or smooth jaws, as ordered.

No. 48. Swivel Bottom, ... Price $8 00

4 in. Jaws. Opens 6 in. Weight 45 lbs.

The New

BLAKE PIPE VISE.



Strongest Combination Pipe Vise Made.
Swivel Base Guaranteed Not to Slip.
Pipe Jaws are Reversible.
Best Materials. Finest Finish.

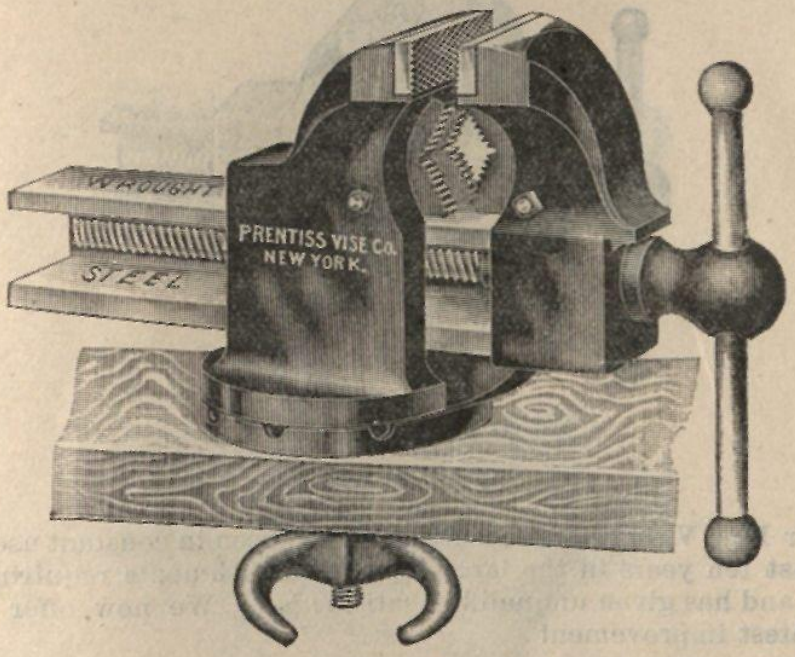
No. 181. Jaws 3½ inches, ... Price $16 00
Holds ⅛ to 2½ inch pipe. Weight 55 lbs.

No. 182. Jaws 4¼ inches, ... Price $20 00
Holds ⅛ to 3 inch pipe. Weight 80 lbs.

No. 182½. Jaws 5 inches, ... Price $28 00
Holds ⅛ to 4 inch pipe. Weight 120 lbs.

The New

BLAKE PIPE VISE.



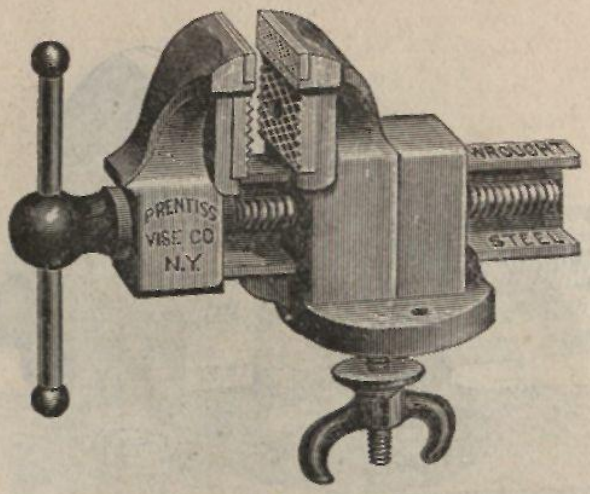
Extra Strong Combination Pipe Vises for Large Pipe.
Wrought Steel Sliding Bar Cannot Break.
Swivel Base Guaranteed Not to Slip.
Pipe Jaws are Reversible.

No. 183. Jaws 6 inches, ... Price $35 00
Holds ⅛ to 6 inch pipe. Weight 185 lbs.

No. 185. Jaws 7 inches, ... Price $60 00
Holds ⅛ to 8 inch pipe. Weight 240 lbs.

Prentiss' Improved

COMBINATION PIPE VISES.



PATENT APPLIED FOR.

Our Pipe Vise, as first constructed, has been in constant use during the last ten years in the largest pipe establishments requiring such tools, and has given unqualified satisfaction. We now offer it with our latest improvement

"The Wrought Steel (Channel) Sliding Bar,"

which makes it unbreakable and superior to all others.

The "Grip Plates" are made of best steel, carefully tempered, and are deeply serrated at right angles, forming innumerable points.

These heavy steel plate pipe jaws are reversible and interchangeable, and are full width of vise, thereby giving greater holding contact, with much less pressure on the pipe, than with old style concave jaws.

Pipe may be held at various angles and a slight turn of lever releases it. Capacity greater than other vises.

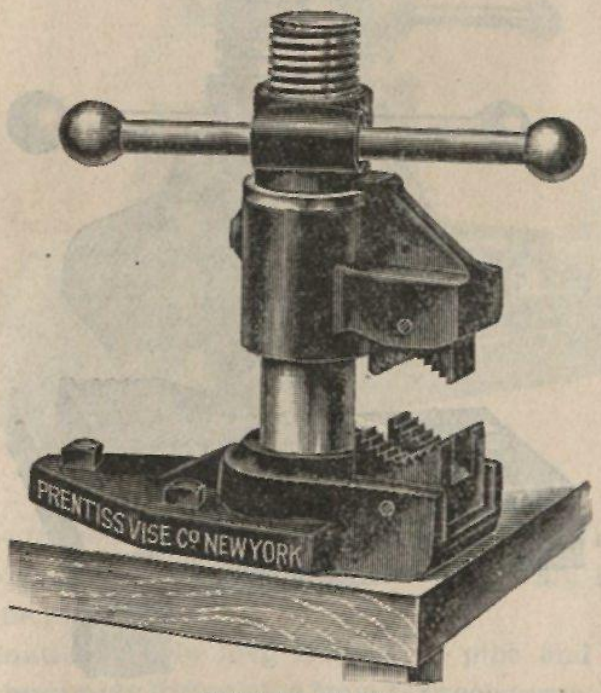
No. 81. Jaws 3½ inches, ... Price $14 00
Holds ⅛ to 2½ inch pipe. Weight 35 lbs.

No. 82. Jaws 4¼ inches, ... Price $20 00
Holds ⅛ to 4 inch pipe. Weight 55 lbs.

No. 83. Jaws 5 inches, ... Price $30 00
Holds ⅛ to 6 inch pipe. Weight 100 lbs.

Prentiss'

20th CENTURY PIPE VISE.



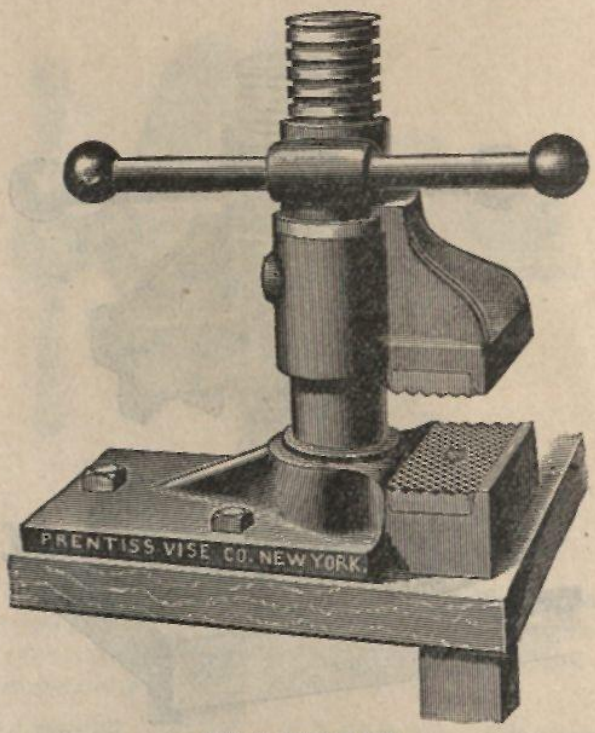
PATENT APPLIED FOR

Strongest Pipe Vise Made.
More Convenient and More Durable than Old Style "Malleable Vise."
Can be Used on Bench or Post, in any Position.
Finest Finish. Best Materials.
Guaranteed Superior to any other Pipe Vise.

No. 285.	Holds ⅛ to 2 in. pipe.	Weight 8 lbs.	Price $ 5 00
No. 286.	" ⅛ to 3 in. "	" 18 "	" $ 7 50
No. 288.	" ⅛ to 4 in. "	" 40 "	" $14 00

Prentiss'

New Open Side Pipe Vises.



PATENT APPLIED FOR.

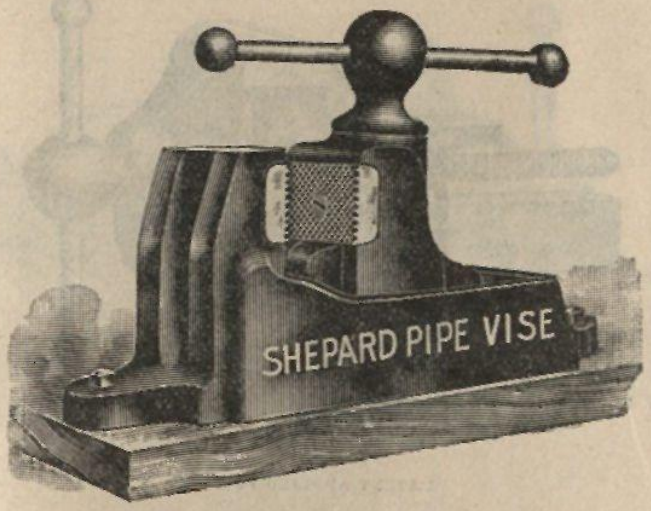
In presenting our New Open Side Pipe Vise which is constructed on an entirely new plan, we claim it to be the most complete, simple and strongest pipe vise in use, and also that it will hold pipe firmly with much less pressure than any other vise, thereby overcoming danger of crushing the pipe. It can be used on bench or post and will hold pipe in any position, requiring but half the space necessary for other vises.

See description of "Grip Plates" on page 36.

No. 85.	Jaws 2¾ inches, ...	Price $ 5 00
	Holds ⅛ to 2 inch pipe. Weight 8 lbs.	
No. 86.	Jaws 3¼ inches, ...	Price $ 7 50
	Holds ⅛ to 3 inch pipe. Weight 18 lbs.	
No. 88.	Jaws 4¼ inches, ...	Price $14 00
	Holds ⅛ to 4½ inch pipe. Weight 40 lbs.	

Shepard

PIPE VISES.



Pipe is free for removal from vise by a slight turn of lever.

Vise is instantly adjusted for any size pipe within its range by a simple movement of lever.

Will automatically grip long lengths of pipe and automatically release same by simply lifting pipe from between jaws. The gripping plates are vertical and will always remain free from scales and dirt. Each size of pipe has a different point of contact upon the gripping plates, lessening the wear and greatly increasing the length of time they will remain sharp.

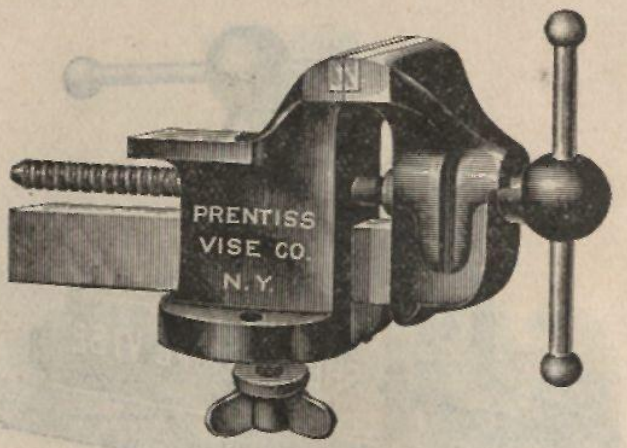
Pipe if drawn through the jaws rests upon frame of vise, avoiding wear and consequent dulling of the gripping plates, which are described on page 36.

These vises are warranted to grip pipe firmly, and to hold it satisfactorily.

No. 201.	Holds	⅛ to 2½	inch	pipe.	Weight	18 lbs.	Price	$ 5 00
No. 202.	"	¼ to 4	"	"	"	35 lbs.	"	9 00
No. 203.	"	1 to 6	"	"	"	75 lbs.	"	16 00

Shepard

NEW STATIONARY VISES.



PATENT APPLIED FOR.

Can be used as either Stationary or Swivel Bottom Vise.

Each Vise is equipped with Central Bolt, Nut and Washer for fastening to Bench.

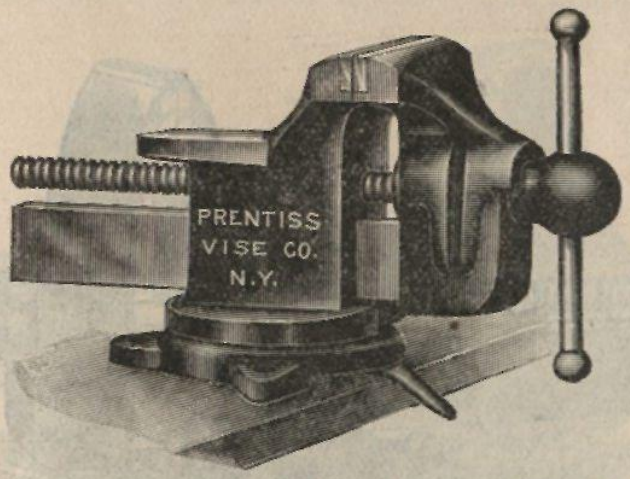
Is also provided with bolt holes for permanently securing to bench.

This is far superior to any other low-priced vise.

No. 158.	Jaws 2	in.	Opens 2	in.	Weight 2½	lbs.	Price $	75
No. 160.	" 2	"	" 2	"	" 4	"	"	1 50
No. 161.	" 2½	"	" 3	"	" 10	"	"	2 00
No. 161½.	" 3	"	" 3½	"	" 12	"	"	2 40
No. 162.	" 3½	"	" 4	"	" 16	"	"	2 75
No. 163.	" 4	"	" 6	"	" 30	"	"	4 00
No. 164.	" 4½	"	" 7½	"	" 44	"	"	6 00

Shepard

NEW SWIVEL VISES.



PATENT APPLIED FOR.

Most Convenient Cheap Vise Ever Offered.

Handiest Swivel Bottom on any Vise—
all on top of Work-Bench.

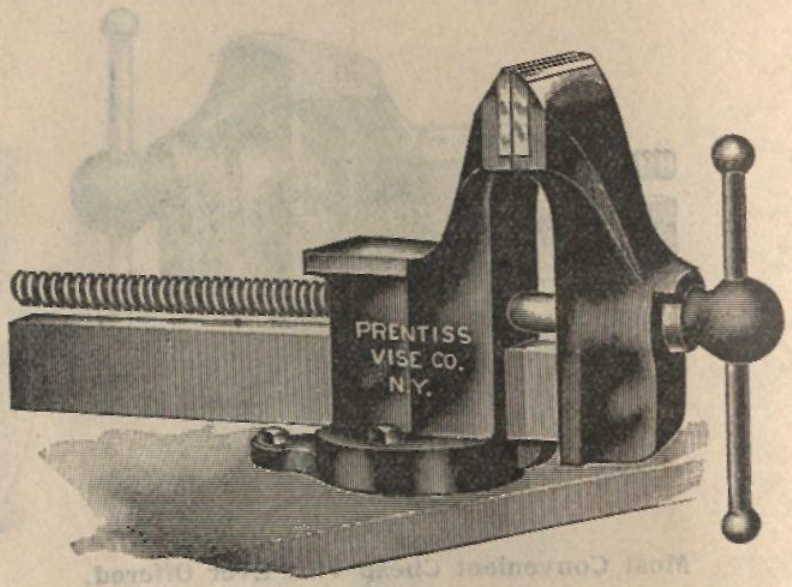
Wrought Steel Sliding Bars, Screws, Levers and Jaws.
Handsomely Polished Anvil.

This is the best finished and most attractive vise ever offered.

No. 159.	Jaws	2	in.	Opens	2	in.	Weight	3	lbs.	Price	$1 00
No. 60.	"	2	"	"	2	"	"	5½	"	"	1 65
No. 61.	"	2½	"	"	3	"	"	12	"	"	2 25
No. 61½.	"	3	"	"	3½	"	"	14	"	"	2 65
No. 62.	"	3½	"	"	4	"	"	18	"	"	3 00
No. 63.	"	4	"	"	6	"	"	32	"	"	4 50
No. 64.	"	4½	"	"	7½	"	"	48	"	"	6 75

Shepard

WOOD-WORKERS' VISES.



PATENT APPLIED FOR.

Stationary Bottom,

Coach-Makers' Solid Jaw, Parallel Vise.

Our Shepard Wood-Workers' Vises are very handsomely finished and well made. All bright parts, including anvil, are fully polished.

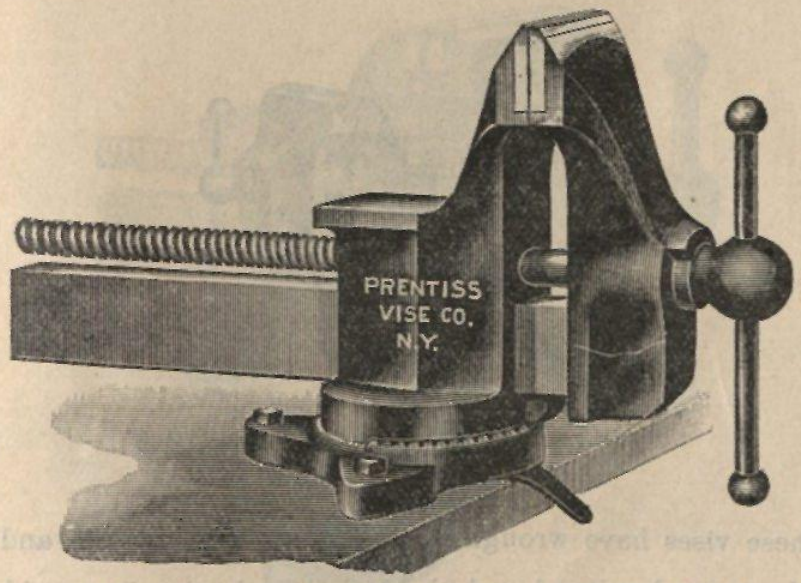
Although these vises are equal to the best goods turned out by most makers, we offer them at extremely low prices.

No. 168. Stationary Bottom, ... Price $5 25
3½ in. Jaws. Opens 7 in. Weight 33 lbs.

No. 68. Stationary Bottom, ... Price $6 25
4½ in. Jaws. Opens 9 in. Weight 42 lbs.

Shepard

WOOD-WORKERS' VISES.



PATENT APPLIED FOR.

Patent Swivel Bottom,

Coach-Makers' Solid Jaw, Parallel Vise.

The swivel base on this vise is the most convenient ever offered. A slight movement of the lever allows vise to turn to any desired position, where it is rigidly fastened by another slight turn of lever.

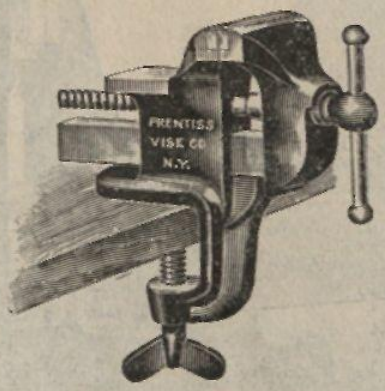
We believe these vises will be appreciated by all who desire a good tool at moderate cost.

No. 169. Patent Swivel Bottom, ... Price $6 00
3½ in. Jaws. Opens 7 in. Weight 38 lbs.

No. 69. Patent Swivel Bottom, ... Price $7 25
4½ in. Jaws. Opens 9 in. Weight 46 lbs.

Shepard

TABLE CLAMP VISES.



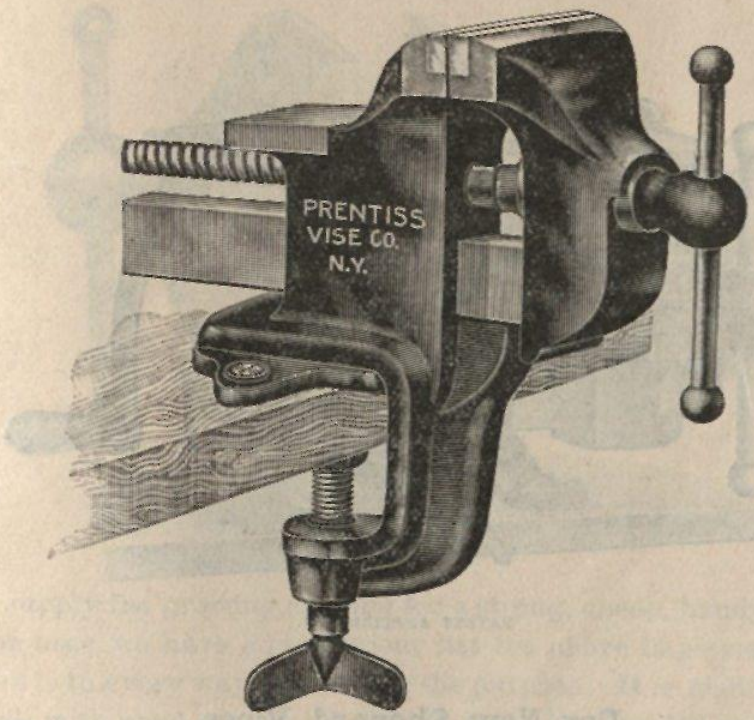
These vises have wrought steel sliding bars, screws and levers. The jaws are hardened and checked. Each vise is provided with handsomely polished anvil. The screws are large and smoothly cut. The clamp is very much heavier than on other makes of Table Clamp Vises, thus insuring against breakage. The vises are very highly finished.

We guarantee these "Shepard Clamp Vises," shown on this page and the page following, to be the strongest, best made, finest finished and most thoroughly satisfactory and attractive line of vises of this style ever offered on the market.

No. 152.	Jaws 1½ in.		Opens 1½ in.		Weight 1½ lbs.		Price $	30
No. 153.	" 1¾ "		" 1¾ "		" 2½ "		"	60
No. 154.	" 2 "		" 2 "		" 3 "		"	75

Shepard

LARGE CLAMP VISES.



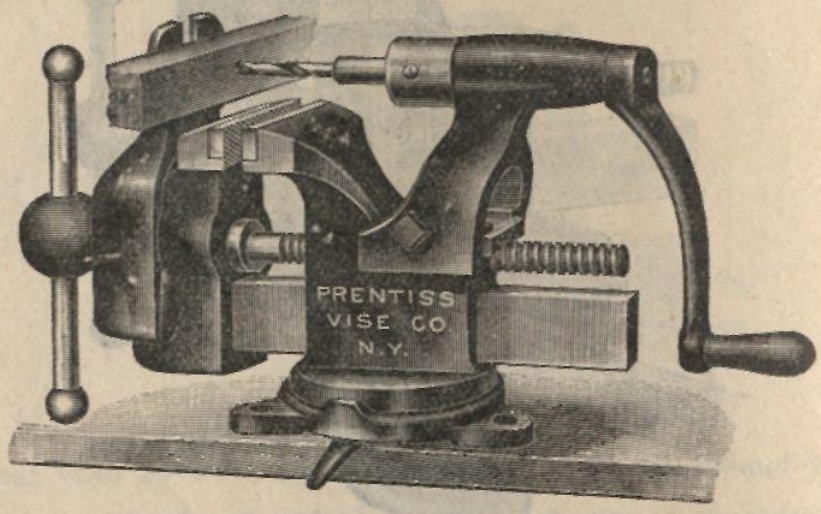
This vise is provided with an extra seat or base, as shown in above illustration. This extra base is screwed to bench, vise then placed on it and thumb-screw tightened. As the depression in base fits the bottom of vise perfectly, the latter is held in place rigidly by simply making the thumb-screw moderately tight. It has heretofore been impossible to fasten large clamp vises securely, the effort to do so resulting, usually, in breaking the clamp. This device overcomes that trouble, and, at the same time, leaves vise free to be removed and replaced at will. These vises are of same material and finish as those described on preceding page.

No. 155. Jaws 2¼ in. Opens 2½ in. Weight 5½ lbs. Price $1 10

No. 156. " 2¾ in. " 3½ in. " 9 lbs. " 1 60

Shepard

Handy Drill Attachments.



PATENT APPLIED FOR.

For New Shepard Vises.

This is the only drilling attachment that can be securely fastened to vise, thus enabling operator to do as perfect work as with expensive post or bench drill.

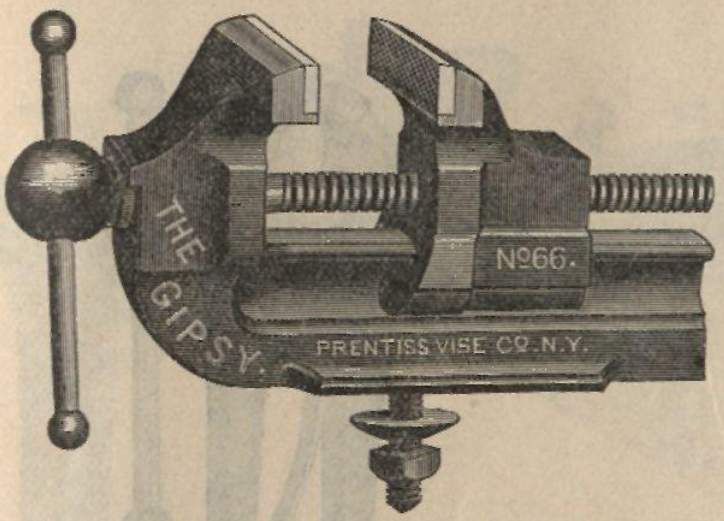
Sockets are fitted for ½ and ⅜ round shank drills, or for square taper shank, as ordered. Unless otherwise instructed, we send ½ inch round socket.

Drill Attachment for Vise No. 62 and No. 162, Price $2 00

Drill Attachment for Vise No. 63 and No. 163, Price $2 50

"GIPSY."

(TRADE-MARK.)



To supply the growing demand for a strong, cheap, handy vise for common uses, we have added to our list the above implement which we think is in every way suitable for the purpose. It is made of good material, with steel screw and welded steel jaws milled and cut, is strong, convenient, of ample weight and cheap. Head of swivel screw moves in groove running whole length of bottom plate, allowing operator to move vise out, in, or to any desired angle and fasten in position.

The nut is made by a long, full thread cut in solid metal of back jaw.

These vises are handsomely painted and polished, and are finished equal to any first-class vise in market.

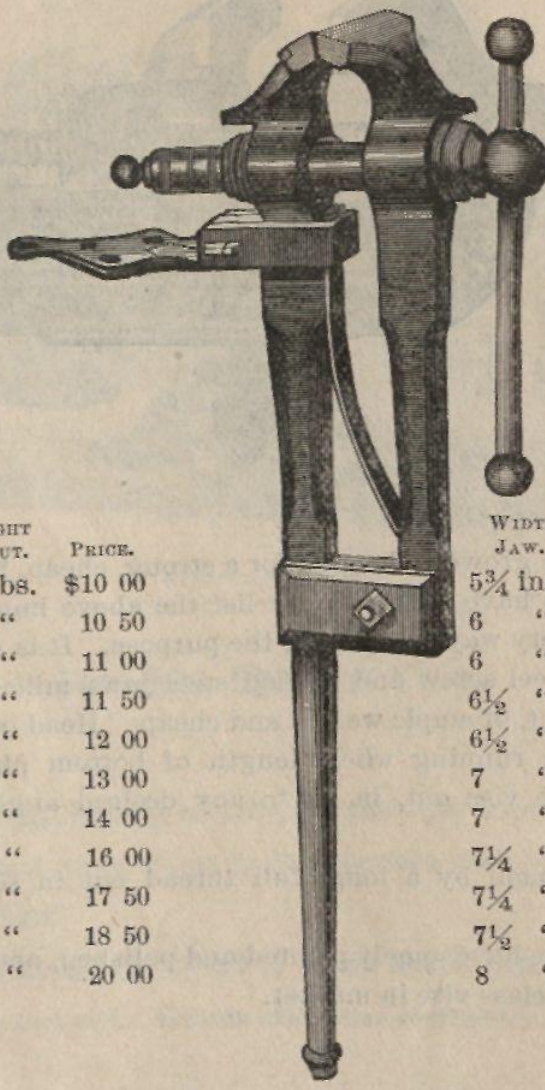
No. 65. Jaws 2½ in. wide. Opens 3 in. Weight 8 lbs. Price $1 75

No. 66. Jaws 3½ in. wide. Opens 4 in. Weight 14 lbs. Price $2 50

No. 67. Jaws 4 in. wide. Opens 6 in. Weight 28 lbs. Price $4 00

Wrought Steel

SOLID BOX VISES.



Width Jaw.	Weight About.	Price.
3¾ inch,	35 lbs.	$10 00
4 "	40 "	10 50
4¼ "	45 "	11 00
4½ "	50 "	11 50
4¾ "	55 "	12 00
5 "	60 "	13 00
5 "	65 "	14 00
5¼ "	75 "	16 00
5½ "	80 "	17 50
5½ "	85 "	18 50
5¾ "	90 "	20 00

Width Jaw.	Weight About.	Price.
5¾ inch,	95 lbs.	$21 00
6 "	100 "	22 00
6 "	110 "	24 00
6½ "	120 "	26 00
6½ "	130 "	29 00
7 "	140 "	33 00
7 "	150 "	36 00
7¼ "	160 "	41 50
7¼ "	170 "	44 50
7½ "	180 "	47 00
8 "	200 "	56 00

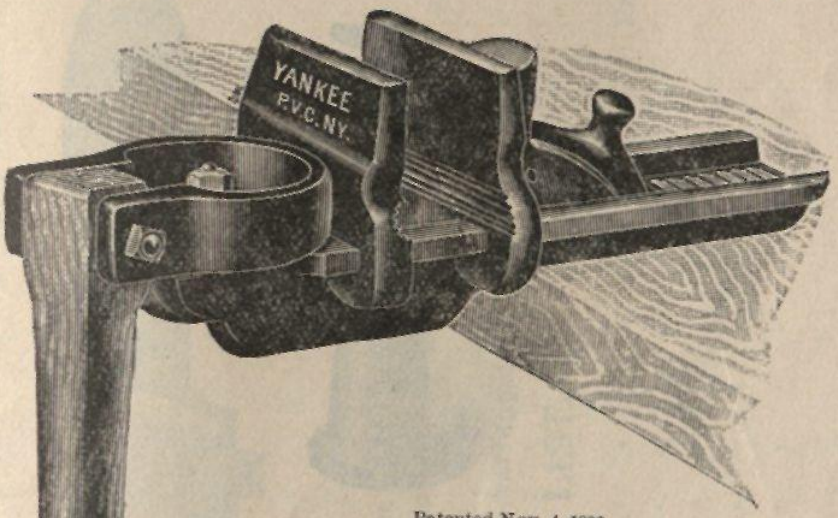
Standard Pattern. Full Weights Guaranteed.

These are the best Solid Box Vises made.

In ordering give width of jaw and approximate weight.

"Yankee"

QUICK-ACTING LEVER VISES.



Patented Nov. 4, 1902.

Most Convenient "All-Round" Vise Ever Offered.

Rapid, Strong and Durable.

Self-Adjusting Jaw. Holds Irregular Work.

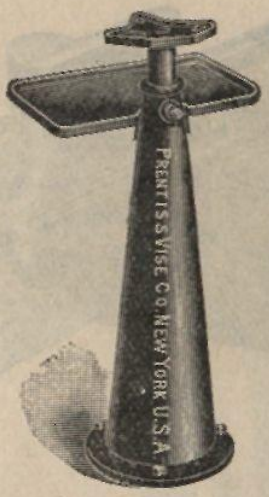
Holds Pipe, Rods, Bolts, etc.

Specially Adapted to Woodwork.

Best and cheapest tool ever made for small shops, farmers and home uses. Simply place any article between the Vise Jaws, turn the cam by means of the lever, and work is secured.

No. 601.	Jaws...	3	in. wide.	Weight...	4½	lbs.	Price...	$1	75
No. 602.	"	3¼	" "	" ...	7	"	" ...	2	25
No. 603.	"	3½	" "	" ...	11	"	" ...	2	75

ADJUSTABLE COLUMN AND TOOL TABLE.



This is a heavy, rigid Iron Column, to be securely bolted to the floor, for supporting a Vise of such size and style as may be desired.

The Iron Column or Stand can be adjusted to any suitable height, and is furnished with Tool Table of ample size to conveniently hold all necessary tools.

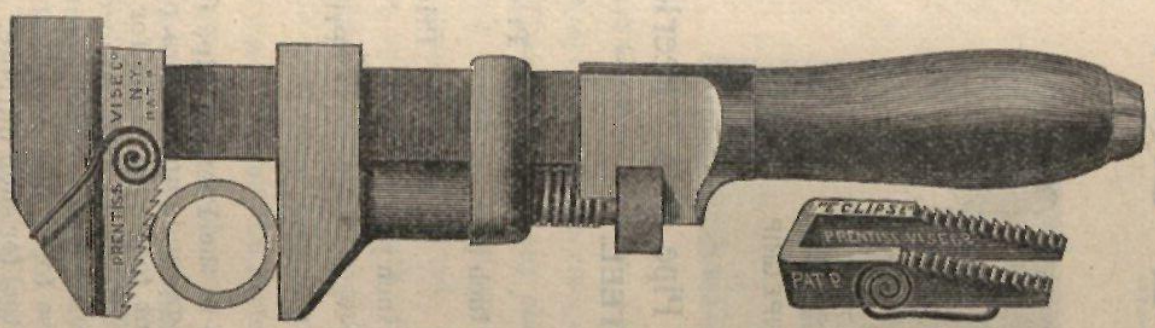
With this device it is possible to place Vises wherever desired, throughout a shop, independent of the work benches. It is often necessary, and always desirable, to have a Vise near large Machine Tools, as it saves the operators much time and labor.

We carry in stock Column fitted for our No. 2 and No. 19 Prentiss Vises, and can promptly supply other sizes on order.

Price of Column, with Tool Table, ... $6 00

Weight, . . . 60 pounds.

"Eclipse" Wrench Attachment.



This little article, which is readily slipped on or off a wrench, will instantly convert **any ordinary Screw Wrench** into a **first-class Pipe Wrench,** capable of doing all the work required of such a tool.

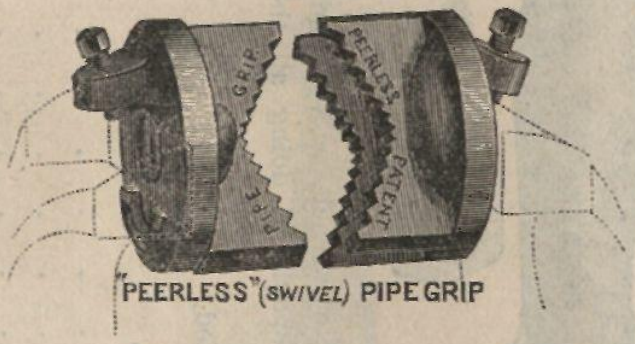
Dropped forged and handsomely finished. Fully warranted.

PRICE LIST.

No. 8.	Will	fit	any	8	inch	Screw	Wrench,	.	.	.	.	.	.	.	.	Price	40	Cents.
No. 10.	"	"	"	10	"	"	"	.	.	.	.	.	.	.	.	"	50	"
No. 12.	"	"	"	12	"	"	"	.	.	.	.	.	.	.	.	"	60	"
No. 15.	"	"	"	15	"	"	"	.	.	.	.	.	.	.	.	"	70	"
No. 18.	"	"	"	18	"	"	"	.	.	.	.	.	.	.	.	"	80	"

New Peerless

PATENT PIPE GRIP.



New Improved (Swivel Jaw) Pipe Grip "Peerless."

MADE OF STEEL.

No. 1.	Fits any 3 to 4½ inch vise, ... Will hold ¼ to 2½ inch pipe.	Price $2 50
No. 2.	Fits any 4¾ to 5½ inch vise, ... Will hold ¼ to 5 inch pipe.	Price $2 75
No. 3.	Fits any 6 to 8½ inch vise, ... Will hold ¼ to 6 inch pipe.	Price $3 00

Having made recent improvements in the Peerless Pipe Grip, we now offer machinists, engineers, steam, gas and pump fitters, plumbers and blacksmiths, the most convenient tool ever made for holding pipes, thimbles, couplings, bolts, nuts, &c., at greatly reduced prices.

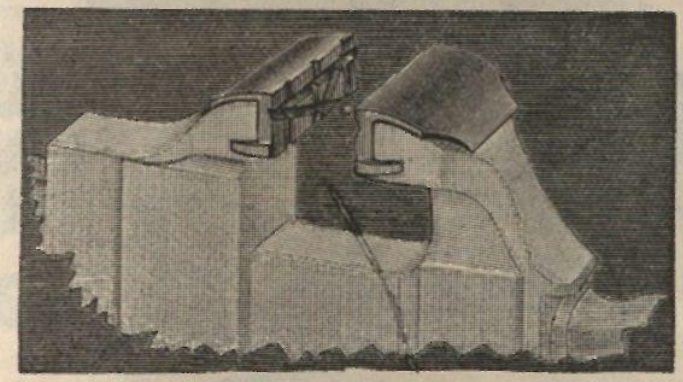
We are confident this new implement will supply a deficiency long felt by mechanics who have frequent use for a pipe grip, but are not warranted in purchasing an expensive tool for such purpose.

Being compact and light it is easily transferred from shop to outside work, and its ready adaptability to any vise used by machinists, blacksmiths, &c., makes it particularly acceptable in mining, oil or other sections remote from machine shops where it is invaluable and indeed almost indispensable.

The Bingham

VISE-JAW CAPS.

PATENTED JULY 7TH, 1891.



These Caps will fit any vise and are intended to protect finished work when clamped in a vise, and also for holding securely, without injury, finished rods of any shape, round, oval, square or polygonal, for which latter purpose grooves of various sizes, and disposed at various angles, are provided. For holding the shank of a tap, when finishing out the flutes with a file, and a hundred kindred operations, these caps will be found invaluable. All tool-makers and vise-hands who have used them, pronounce them an indispensable appendage to a bench vise. When the stops at the end of faces abut against the sides of the vise jaws, the corresponding grooves in a pair of caps will be opposite each other, so that any sized cap can be used with any width of jaw; but it is, of course, preferable to have the cap the same length as the width of the jaw to which it is to be attached.

We can supply them in five sizes, as per list below:

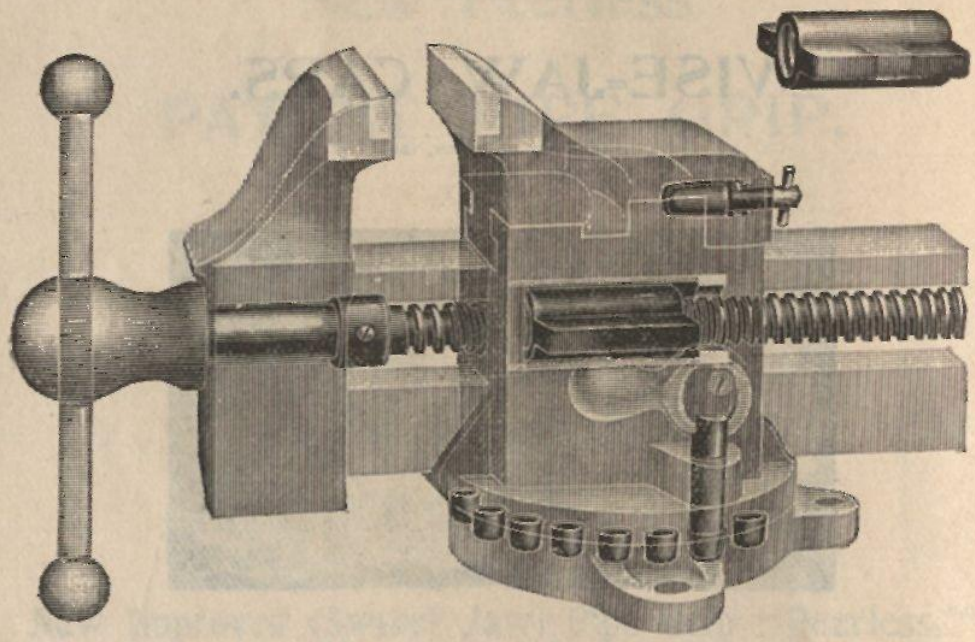
3½ inch, . . per pair, 40 cents. 4 inch . . per pair, 50 cents.

4½ inch, . . per pair, 60 cents.

1¾ and 2 inch (for Jewellers), per pair, 40 cents.

Same, nickel plated, per pair, 60 cents.

Lewis' Patent
STEEL SLIDE BAR VISES.



Our Patent Double Steel Slide Bar Vises possess many improvements which overcome acknowledged defects in other styles of vises.

The slides are two flat bars of wrought steel, the upper bar being mounted above the screw with flat surface horizontal, while the other bar is below, having flat surface in perpendicular position to screw, by which arrangement we secure perfect resistance for the jaw, against both sidewise and downward strains and at same time provide against danger of breakage.

The Steel Slide Bars Do Not Break.

The nut is fastened at centre, instead of bottom of vise, and always lines with screw, thus adding greatly to firmness of grip. The screw is well protected, but can be oiled without removing slide bars from body of vise.

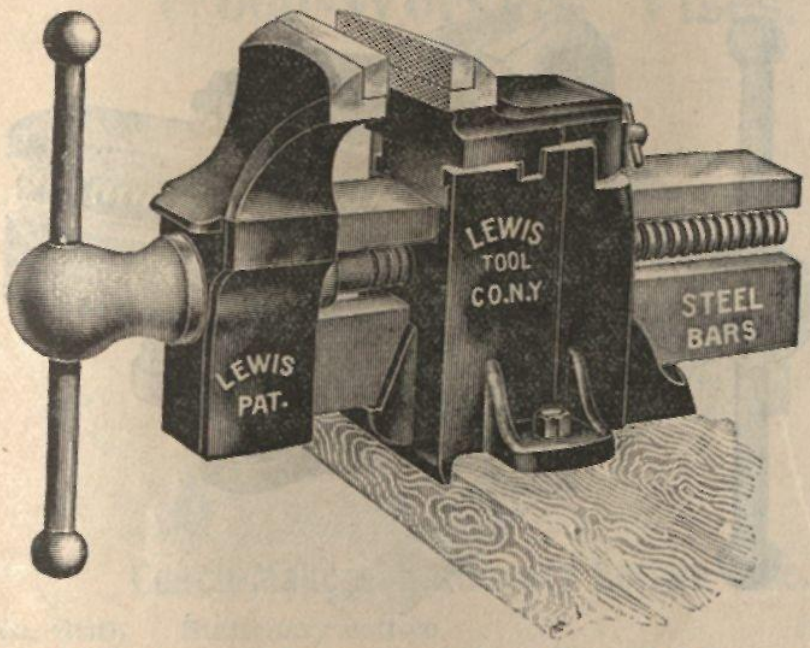
We make both solid jaw vises and adjustable jaw vises, and with stationary or swivel bottom, as may be desired.

The improvement in construction of the adjustable jaw will be appreciated at a glance. The hub and supports are made extra strong. The locking-pin is placed at back of jaw, giving sufficient purchase to hold firmly with small strain on pin. The position of pin is entirely out of way, and prevents dirt from entering the hole. Loss of pin is impossible, as it is simply drawn back to shoulder, and not removed when out of lock. Only part of turn is required, after pin is pressed forward, to fasten the jaw firmly in place. The same movement reversed, unlocks, and allows jaw to adjust.

Our new Patent Swivel Bottom is made with a heavy hub, which is part of the body of the vise, and which passes through bottom plate and takes most of the strain, the bottom set-screw and washer merely holding vise down to plate. They have heavy steel side-locking pins which are moved in or out by an eccentric, which prevents their being thrown out of lock by any possible strain on the vise, but are easily adjusted when desired, and do not depend upon a spring. This makes the strongest and most convenient Swivel Bottom yet devised. All our vises are made of the best material, and are strictly first-class in workmanship and finish.

Lewis' Patent
SELF-ADJUSTING JAW VISES.

For Machinists and Iron Workers Generally.



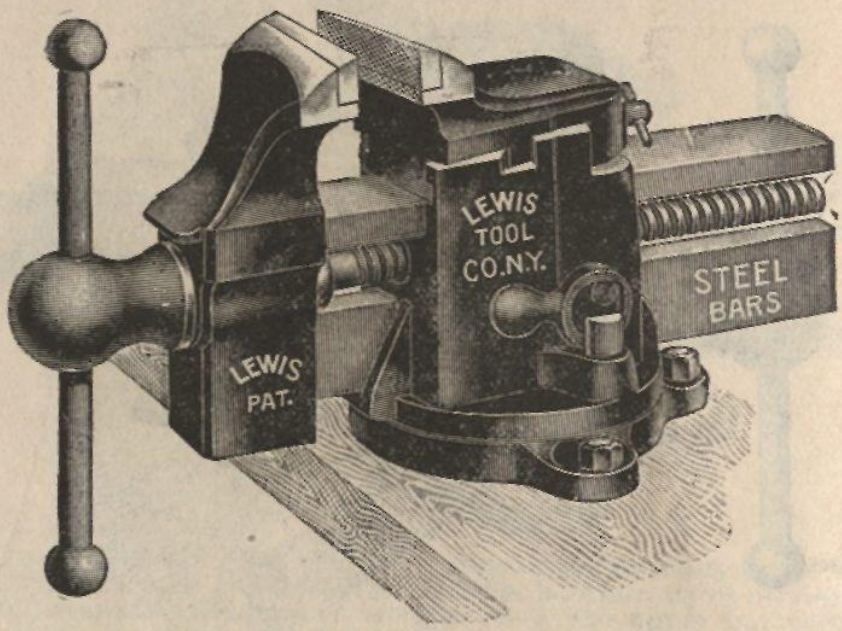
Lewis' Patent Self-Adjusting Jaw Machinists' Stationary Bottom Vises.

The Steel Slide Bars Do Not Break.

No. 903.	Stationary Bottom, 2½ in. Jaws. Opens 3½ in. Weight 18 lbs.	Price $ 5 50
No. 905.	Stationary Bottom, 3 in. Jaws. Opens 4 in. Weight 25 lbs.	Price $ 6 25
No. 907.	Stationary Bottom, 3½ in. Jaws. Opens 5 in. Weight 33 lbs.	Price $ 7 00
No. 909.	Stationary Bottom, 4 in. Jaws. Opens 6 in. Weight 54 lbs.	Price $ 9 00
No. 911.	Stationary Bottom, 4½ in. Jaws. Opens 7 in. Weight 70 lbs.	Price $10 50
No. 913.	Stationary Bottom, 5 in. Jaws. Opens 8 in. Weight 105 lbs.	Price $16 00
No. 915.	Stationary Bottom, 5½ in. Jaws. Opens 9 in. Weight 125 lbs.	Price $18 00
No. 917.	Stationary Bottom, 6½ in. Jaws. Opens 10 in. Weight 165 lbs.	Price $24 00
No. 919.	Stationary Bottom, 7½ in. Jaws. Opens 12 in. Weight 198 lbs.	Price $30 00

Lewis' Patent
SELF-ADJUSTING JAW VISES.

For Machinists and Iron Workers Generally.

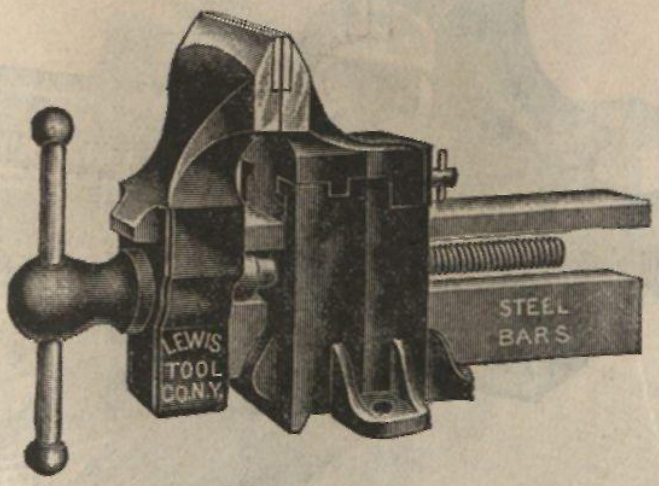


Lewis' Patent Self-Adjusting Jaw Machinists' Swivel Bottom Vises.

The Steel Slide Bars Do Not Break.

No. 904.	Patent Swivel Bottom, 2½ in. Jaws. Opens 3½ in. Weight 22 lbs.	Price $ 6 75
No. 906.	Patent Swivel Bottom, 3 in. Jaws. Opens 4 in. Weight 29 lbs.	Price $ 7 50
No. 908.	Patent Swivel Bottom, 3½ in. Jaws. Opens 5 in. Weight 38 lbs.	Price $ 8 50
No. 910.	Patent Swivel Bottom, 4 in. Jaws. Opens 6 in. Weight 60 lbs.	Price $10 50
No. 912.	Patent Swivel Bottom, 4½ in. Jaws. Opens 7 in. Weight 78 lbs.	Price $12 50
No. 914.	Patent Swivel Bottom, 5 in. Jaws. Opens 8 in. Weight 120 lbs.	Price $18 00
No. 916.	Patent Swivel Bottom, 5½ in. Jaws. Opens 9 in. Weight 142 lbs.	Price $21 00
No. 918.	Patent Swivel Bottom, 6½ in. Jaws. Opens 10 in. Weight 185 lbs.	Price $27 00
No. 920.	Patent Swivel Bottom, 7½ in. Jaws. Opens 12 in. Weight 222 lbs.	Price $35 00

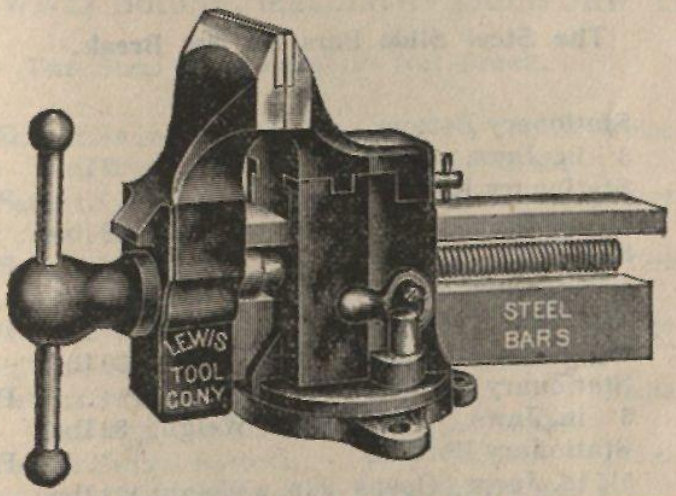
Lewis' Patent
SELF-ADJUSTING JAW
Wood-Workers' Vises.



Coach-Makers' Stationary Bottom Vise.

No. 925. Stationary Bottom, ... Price $10 00
4½ in. Jaws. Opens 9 in. Weight 62 lbs.

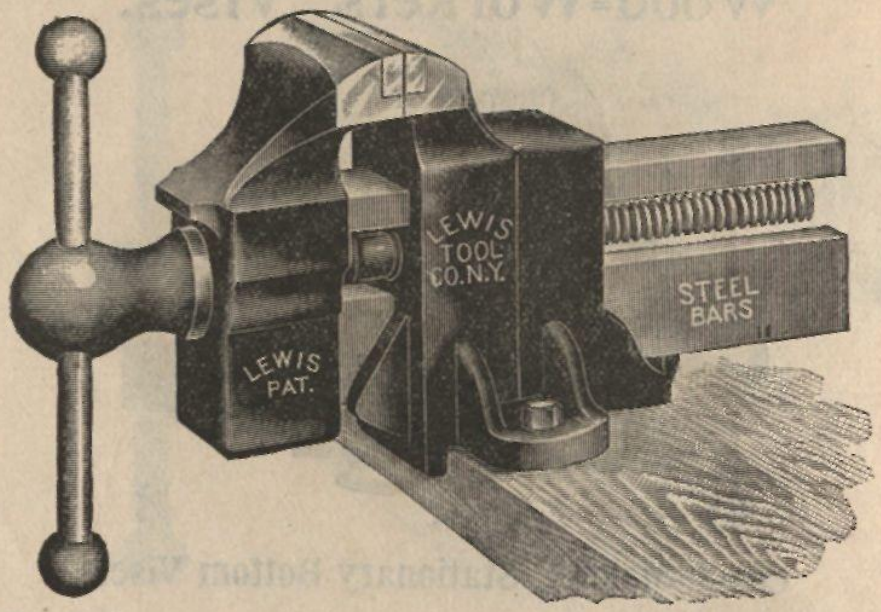
The Steel Slide Bars Do Not Break.



Coach-Makers' Patent Swivel Bottom Vise.

No. 926. Patent Swivel Bottom, ... Price $12 00
4½ in. Jaws. Opens 9 in. Weight 67 lbs.

Lewis' Patent
SOLID JAW PARALLEL VISES.

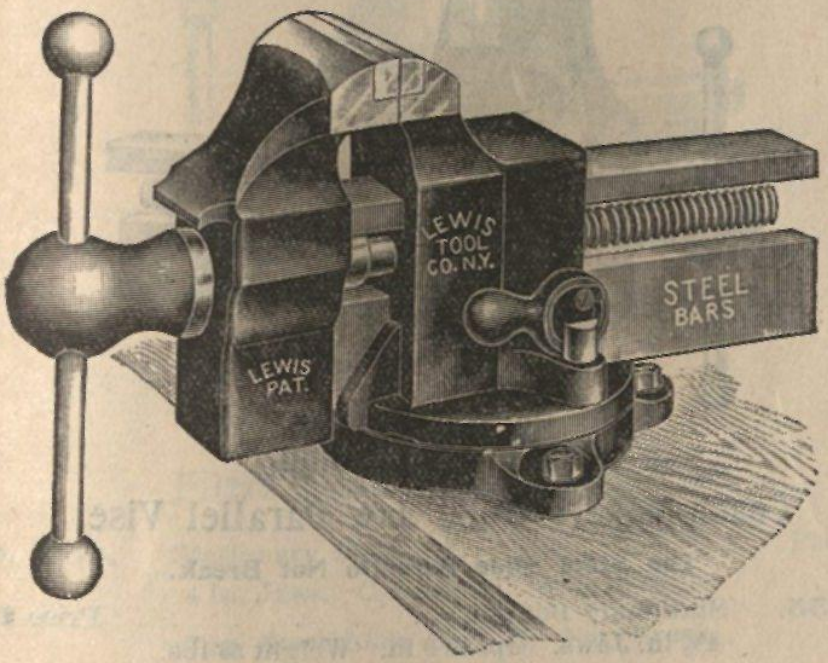


Stationary Bottom, Machinists' Solid Jaw Vise.

The Steel Slide Bars Do Not Break.

No. 935.	Stationary Bottom, ... 3 in. Jaws. Opens 4 in. Weight 22 lbs.	Price $ 6 00
No. 937.	Stationary Bottom, ... 3½ in. Jaws. Opens 5 in. Weight 28 lbs.	Price $ 7 00
No. 939.	Stationary Bottom, ... 4 in. Jaws. Opens 6 in. Weight 48 lbs.	Price $ 8 50
No. 941.	Stationary Bottom, ... 4½ in. Jaws. Opens 7 in. Weight 60 lbs.	Price $10 00
No. 943.	Stationary Bottom, ... 5 in. Jaws. Opens 8 in. Weight 82 lbs.	Price $13 50
No. 945.	Stationary Bottom, ... 5½ in. Jaws. Opens 9 in. Weight 103 lbs.	Price $18 50
No. 947.	Stationary Bottom, ... 6½ in. Jaws. Opens 10 in. Weight 135 lbs.	Price $25 00
No. 949.	Stationary Bottom, ... 7½ in. Jaws. Opens 12 in. Weight 188 lbs.	Price $35 00

Lewis' Patent
SOLID JAW PARALLEL VISES.

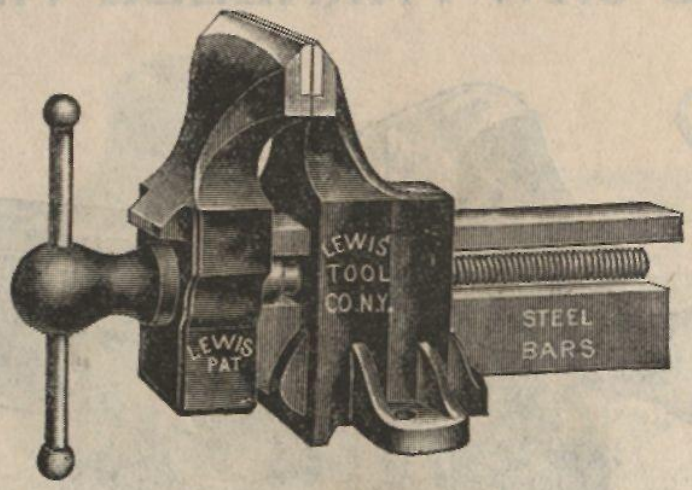


Patent Swivel Bottom, Machinists' Solid Jaw Vise.

The Steel Slide Bars Do Not Break.

No. 934.	Patent Swivel Bottom, ... 3 in. Jaws. Opens 4 in. Weight 26 lbs.	Price $ 7 50
No. 936.	Patent Swivel Bottom, ... 3½ in. Jaws. Opens 5 in. Weight 36 lbs.	Price $ 9 00
No. 938.	Patent Swivel Bottom, ... 4 in. Jaws. Opens 6 in. Weight 56 lbs.	Price $11 50
No. 940.	Patent Swivel Bottom, ... 4½ in. Jaws. Opens 7 in. Weight 68 lbs.	Price $13 50
No. 942.	Patent Swivel Bottom, ... 5 in. Jaws. Opens 8 in. Weight 93 lbs.	Price $17 50
No. 944.	Patent Swivel Bottom, ... 5½ in. Jaws. Opens 9 in. Weight 120 lbs.	Price $24 00
No. 946.	Patent Swivel Bottom, ... 6½ in. Jaws. Opens 10 in. Weight 150 lbs.	Price $32 00
No. 948.	Patent Swivel Bottom, ... 7½ in. Jaws. Opens 12 in. Weight 214 lbs.	Price $40 00

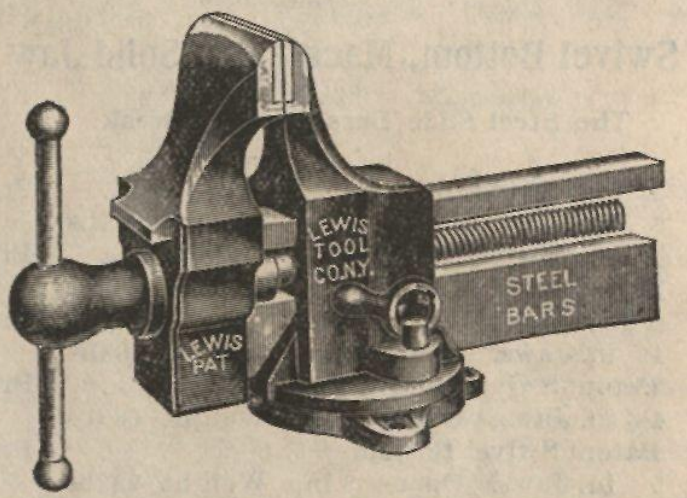
Lewis' Patent Solid Jaw
WOOD-WORKERS' VISES.



Stationary Bottom,
Coach-Makers' Solid Jaw Parallel Vise.

The Steel Slide Bars Do Not Break.

No. 955. Stationary Bottom, ... **Price $9 50**
4½ in. Jaws. Opens 9 in. Weight 55 lbs.

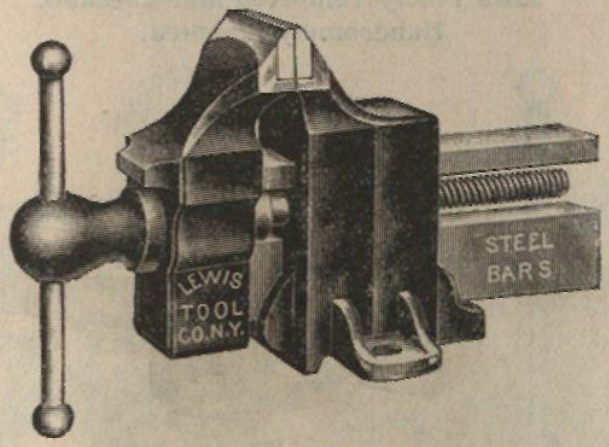


Patent Swivel Bottom,
Coach Makers' Solid Jaw Parallel Vise.

No. 956. Patent Swivel Bottom, ... **Price $12 50**
4½ in. Jaws. Opens 9 in. Weight 64 lbs.

LEWIS' PATENT SOLID JAW

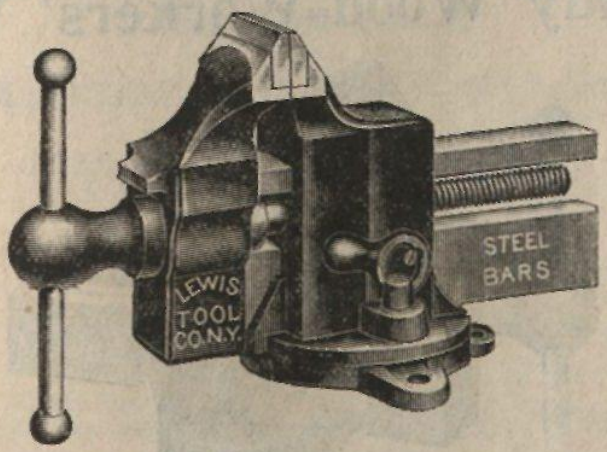
FILERS' or FINISHERS' VISES.



Stationary Bottom, Filers' Solid Jaw Parallel Vise.

No. 953. Stationary Bottom, ... Price $8 50
4 in. Jaws. Opens 6 in. Weight 48 lbs.

The Steel Slide Bars Do Not Break.

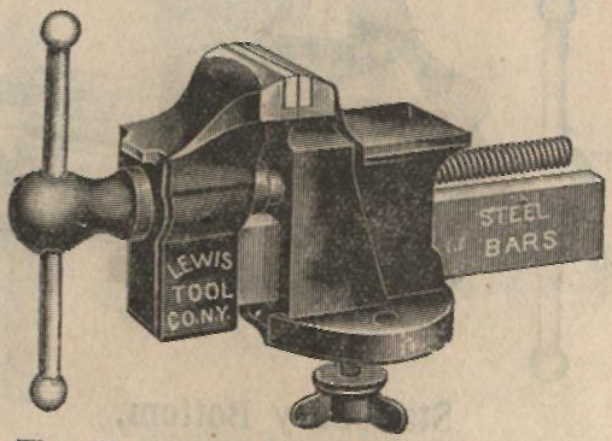


Patent Swivel Bottom, Filers' Solid Jaw Parallel Vise.

No. 954. Patent Swivel Bottom, ... Price $11 50
4 in. Jaws. Opens 6 in. Weight 56 lbs.

Lewis' Patent
STEEL BAR HANDY VISES.

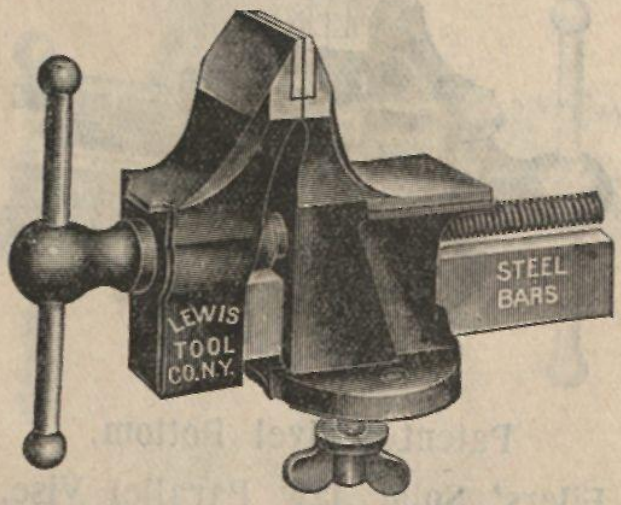
Polished Anvil and Swivel Base. Best Low Cost Vise Made.
Jaws Finely Tempered and Checked.
Handsomely Finished.



The Steel Slide Bars Do Not Break.

No. 994.	Swivel Bottom, 2½ in. Jaws. Opens 3 in. Weight 11 lbs.	Price $2 50
No. 995.	Swivel Bottom, 3½ in. Jaws. Opens 4 in. Weight 18 lbs.	Price $3 50
No. 996.	Swivel Bottom, 4¼ in. Jaws. Opens 6 in. Weight 32 lbs.	Price $5 00

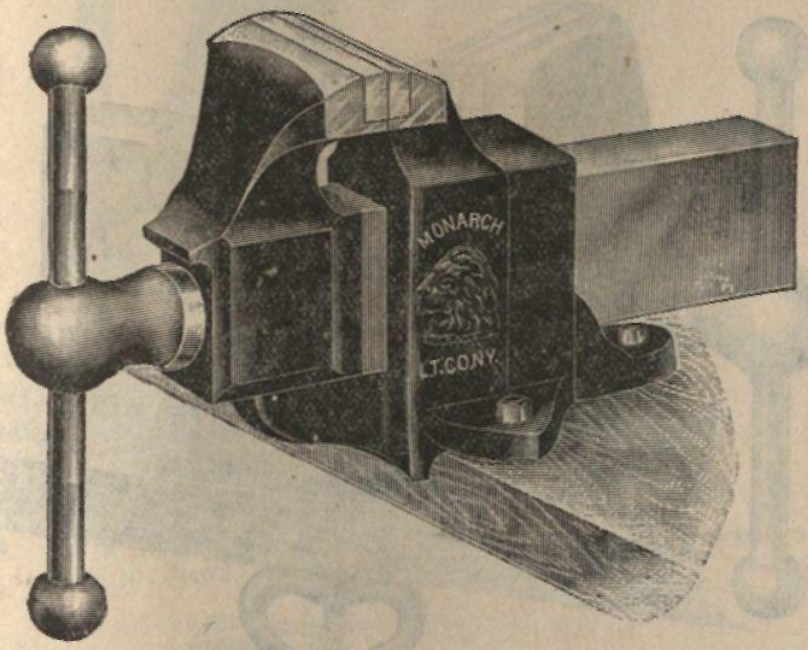
Handy Wood-Workers' Vise.



Coach-Makers' Swivel Bottom Vise.

No. 993.	Swivel Bottom, 4½ in. Jaws. Opens 9 in. Weight 44 lbs.	Price $6 50

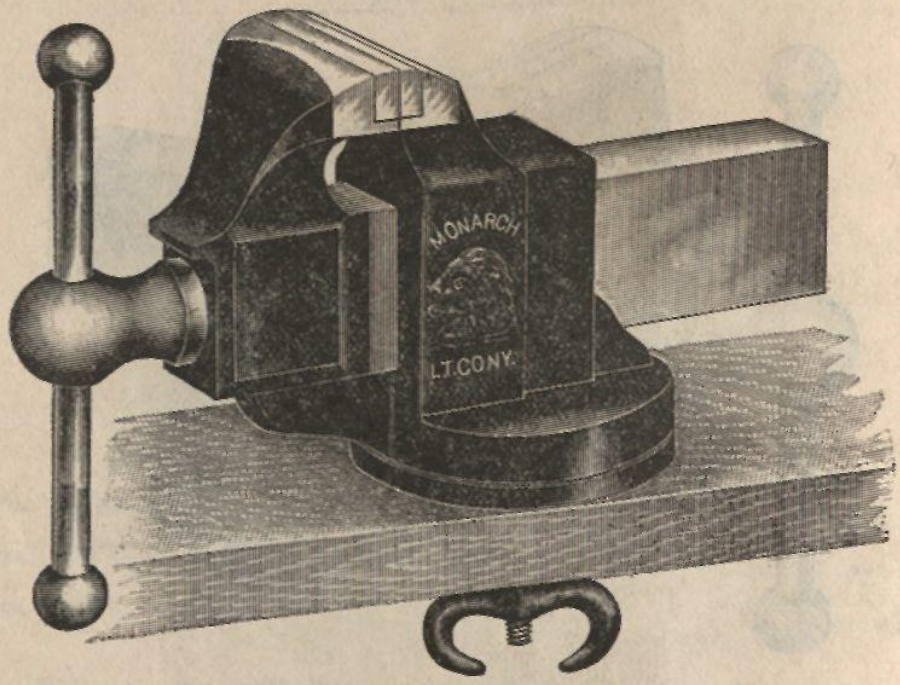
"Monarch"
MACHINISTS' VISES.



Stationary Bottom,
Machinists' Solid Jaw, Parallel Vise.

No. 213.	Stationary Bottom, 3½ in. Jaws. Opens 4 in. Weight 22 lbs.	Price $ 6 00
No. 215.	Stationary Bottom, 4 in. Jaws. Opens 5½ in. Weight 28 lbs.	Price $ 7 00
No. 217.	Stationary Bottom, 4½ in. Jaws. Opens 6 in. Weight 42 lbs.	Price $ 8 50
No. 219.	Stationary Bottom, 5 in. Jaws. Opens 7 in. Weight 52 lbs.	Price $10 00
No. 221.	Stationary Bottom, 5½ in. Jaws. Opens 8 in. Weight 72 lbs.	Price $13 00
No. 223.	Stationary Bottom, 6 in. Jaws. Opens 9 in. Weight 100 lbs.	Price $18 50
No. 225.	Stationary Bottom, 6½ in. Jaws. Opens 10 in. Weight 135 lbs.	Price $25 00

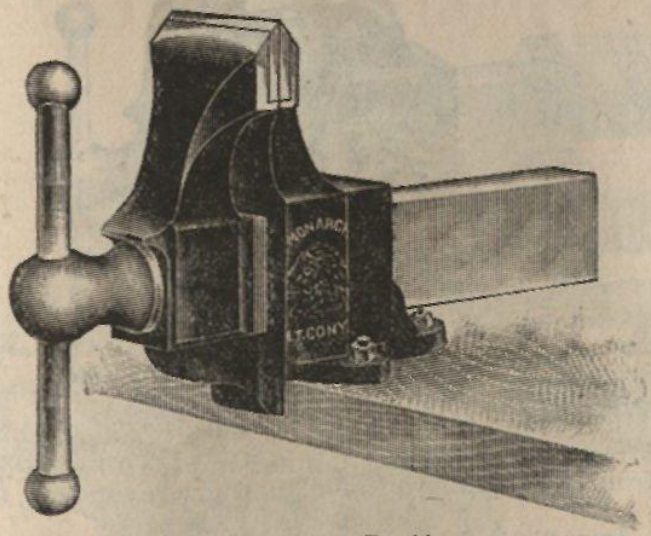
"Monarch"
MACHINISTS' VISES.



Swivel Bottom,
Machinists' Solid Jaw, Parallel Vise.

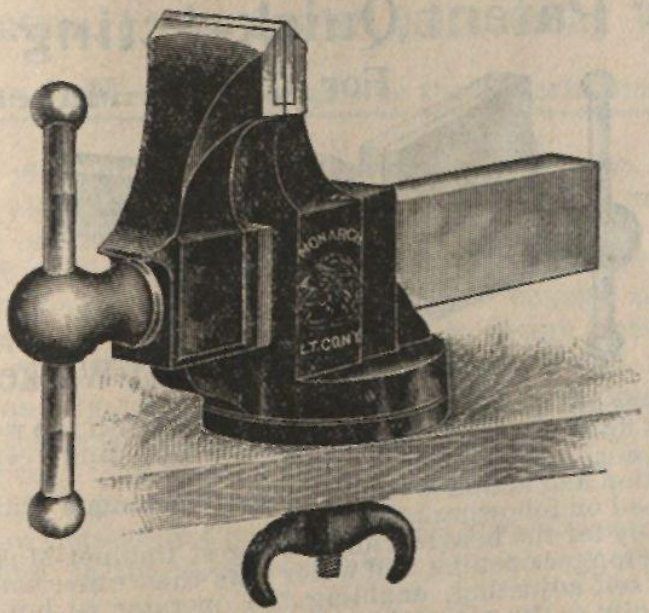
No. 214.	Swivel Bottom, 3½ in. Jaws. Opens 4 in. Weight 28 lbs.	Price $ 7 50
No. 216.	Swivel Bottom, 4 in. Jaws. Opens 5½ in. Weight 36 lbs.	Price $ 8 75
No. 218.	Swivel Bottom, 4½ in. Jaws. Opens 6 in. Weight 52 lbs.	Price $10 50
No. 220.	Swivel Bottom, 5 in. Jaws. Opens 7 in. Weight 64 lbs.	Price $12 50
No. 222.	Swivel Bottom, 5½ in. Jaws. Opens 8 in. Weight 85 lbs.	Price $16 00
No. 224.	Swivel Bottom, 6 in. Jaws. Opens 9 in. Weight 115 lbs.	Price $22 00
No. 226.	Swivel Bottom, 6½ in. Jaws. Opens 10 in. Weight 155 lbs.	Price $30 00

"Monarch" WOOD-WORKERS' VISES.



Stationary Bottom, Coach-Makers' Solid Jaw, Parallel Vise.

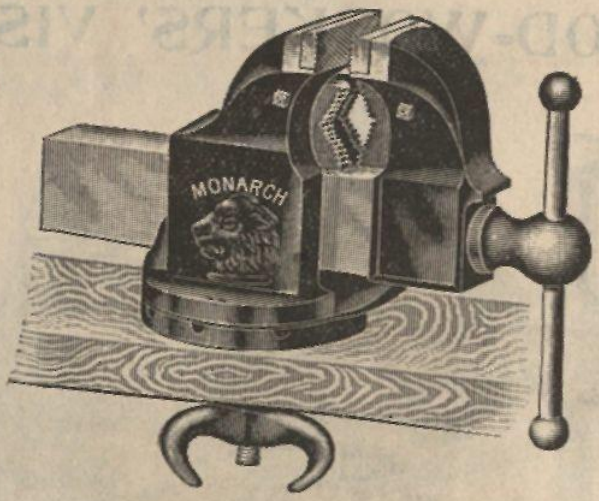
No. 229. Stationary Bottom, 4½ in. Jaws. Opens 9 in. Weight 48 lbs. Price $ 9 50



Swivel Bottom, Coach-Makers' Solid Jaw, Parallel Vise.

No. 230. Swivel Bottom, 4½ in. Jaws. Opens 9 in. Weight 58 lbs. Price $11 50

MONARCH PIPE VISE.

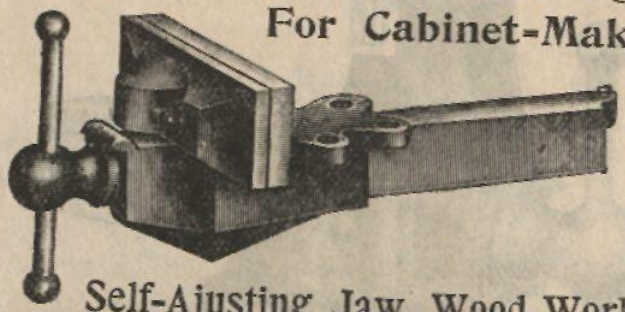


A good, strong, serviceable Combination Pipe Vise. Pipe jaws cut and milled from best quality of steel, and are reversible, thus giving double wear.

No. 401.	Jaws 3½ inches, Holds ⅛ to 2½ inch pipe.	Weight 44 lbs.	Price $16 00
No. 402.	Jaws 4½ inches, Holds ⅛ to 3 inch pipe.	Weight 65 lbs.	Price $20 00
No. 403.	Jaws 5 inches, Holds ⅛ to 4 inch pipe.	Weight 110 lbs.	Price $28 00

Lewis' Patent Quick-Acting Vises

For Cabinet-Makers.



Self-Ajusting Jaw, Wood-Workers' Vise.

These Vises are devised to be fastened underneath the work-bench, leaving jaws flush with top, and are adapted to holding every description of wood-work.

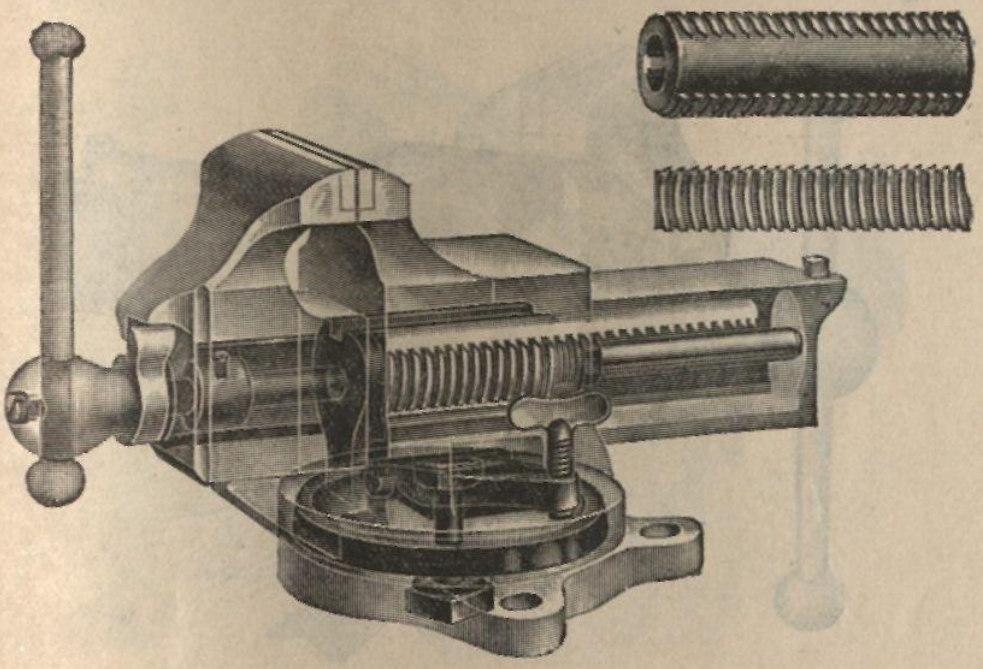
Construction and action is similar to the Machinists' Quick-Acting Vises described on following pages.

They are by far the heaviest and strongest Cabinet-Makers' Vises made, having longer opening and wider jaws than other makes. The front jaw is self-adjusting, enabling the operator to hold intricate shapes as readily as the plainest work. Each Vise is provided with a locking-pin for holding the adjustable jaw stationary, when so desired.

We guarantee this to be very much the best Wood-Workers' Vise ever offered.

No. 135.	10 in. Jaw.	Opens 12 in.	Weight 60 lbs.	Price $14 00
No. 137.	14 in. Jaw.	Opens 16 in.	Weight 85 lbs.	Price 20 00

Lewis' Patent
QUICK-ACTING VISES.



Internal View Lewis' Quick-Acting Vise.

Made with Interrupted Thread like the Breech-Block of a Gun.

These vises are **extremely simple** in construction, having only **one** more piece than ordinary screw vises. They do not depend on springs or other fragile devices to operate them. Turning the lever to the left frees the screw, when jaws can instantly be opened or closed full length, at will. The screw will engage at any point. Only **one-quarter turn** of lever required to secure work, or to open the jaws. They are positive in action and as **durable, powerful** and **tenacious** as any screw vises. They commence to draw as soon as you start the lever and have sufficient take up for any kind of work. They have very long bearing surface on threads and cannot get out of order nor **slip.**

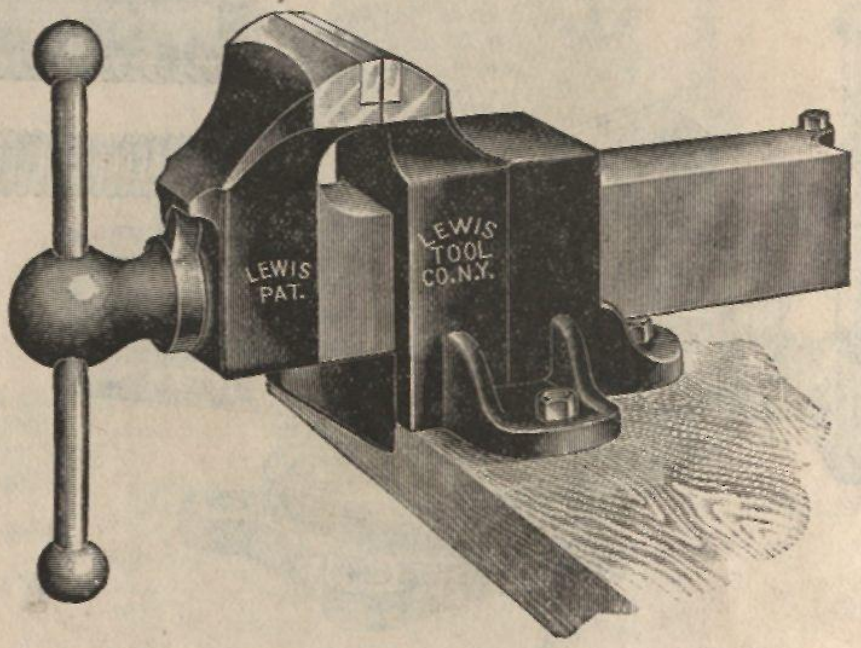
Our new Patent Swivel Bottom will hold vise securely in any position, and is the most convenient device ever offered for this purpose.

Three years' constant use of these vises in some of the largest and best equipped shops in this country result in entire satisfaction to the users, and develops no wear on any of the vise parts.

We guarantee that this vise shall give full satisfaction.

Lewis' Patent

Quick-Acting Machinists' Vises.



Stationary Bottom,

Machinists' Quick-Acting Parallel Vise.

No. 121. Stationary Bottom, ... Price $ 8 50
3½ in. Jaws. Opens 5 in. Weight 32 lbs.

No. 123. Stationary Bottom, ... Price $10 50
4 in. Jaws. Opens 6 in. Weight 44 lbs.

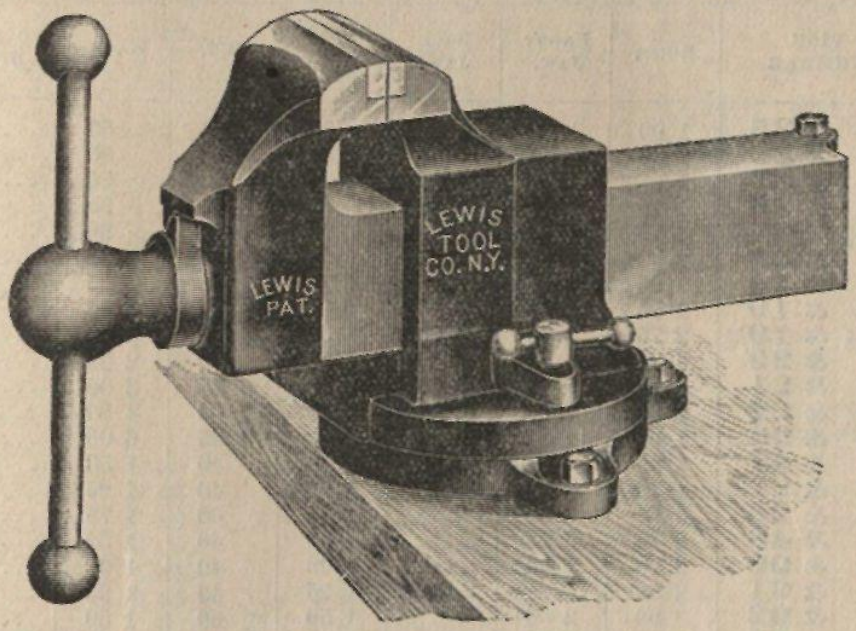
No. 125. Stationary Bottom, ... Price $12 50
4½ in. Jaws. Opens 7 in. Weight 60 lbs.

No. 127. Stationary Bottom, ... Price $18 00
5 in. Jaws. Opens 8 in. Weight 75 lbs.

No. 129. Stationary Bottom, ... Price $22 00
5½ in. Jaws. Opens 9 in. Weight 100 lbs.

No. 131. Stationary Bottom, ... Price $30 00
6½ in. Jaws. Opens 10 in. Weight 130 lbs.

Lewis' Patent
Quick-Acting Machinists' Vises.



Patent Swivel Bottom,
Machinists' Quick-Acting, Parallel Vise.

No. 120. Patent Swivel Bottom, ... Price $10 00
3½ in. Jaws. Opens 5 in. Weight 36 lbs.

No. 122. Patent Swivel Bottom, ... Price $12 50
4 in. Jaws. Opens 6 in. Weight 53 lbs.

No. 124. Patent Swivel Bottom, ... Price $15 00
4½ in. Jaws. Opens 7 in. Weight 68 lbs.

No. 126. Patent Swivel Bottom, ... Price $21 00
5 in. Jaws. Opens 8 in. Weight 87 lbs.

No. 128. Patent Swivel Bottom, ... Price $26 00
5½ in. Jaws. Opens 9 in. Weight 122 lbs.

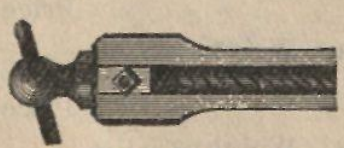
No. 130. Patent Swivel Bottom, ... Price $34 00
6½ in. Jaws. Opens 10 in. Weight 150 lbs.

Price List
EXTRA PARTS.

VISE NUMBER	BODY.	FRONT JAW.	BACK JAW.	SCREW AND LEVER.	NUT.	BASE.	PULL BAR & SPRING.
30 & 35	1 00	1 00	1 00	50	25	50	.....
34 & 39	1 00	1 00	1 00	50	25	50	.....
32 & 37	1 25	1 00	1 00	50	25	50	.....
31 & 36	1 75	1 75	1 50	90	25	90	.....
34½ & 39½	1 75	1 75	1 50	90	25	90	.....
33 & 38	2 00	2 00	1 75	1 00	25	1 00	.....
1 & 18	1 25	1 25	1 25	1 25	35	1 25	.....
2 & 19	1 75	1 75	1 75	1 25	40	1 25	.....
2½ & 19½	2 75	2 75	2 00	1 50	40	1 50	.....
3 & 20	3 25	3 25	2 25	1 75	60	2 00	.....
4 & 21	5 50	5 50	3 50	2 25	75	3 00	.....
5 & 22	7 50	7 50	6 00	3 50	1 00	4 50	.....
6 & 23	11 00	11 00	6 00	3 50	1 25	6 00	.....
42 & 47	2 50	2 50	2 00	1 50	40	1 50	.....
12 & 27	1 75	1 75	1 75	1 25	40	1 25	.....
10 & 26	3 25	3 25	2 25	1 75	60	1 75	.....
43 & 48	2 75	2 75	.....	1 50	40	1 50	.....
50 & 90	2 00	1 50	.....	1 00	40	1 00	.....
51 & 91	2 50	1 75	.....	1 25	40	1 25	.....
52 & 92	3 00	2 50	.....	1 50	60	1 50	.....
53 & 93	3 50	3 25	.....	1 50	60	1 75	.....
54 & 94	5 00	4 50	.....	1 75	75	2 00	.....
55 & 95	6 50	5 50	.....	2 25	80	3 00	.....
56 & 96	8 00	7 50	.....	3 00	1 00	4 00	.....
57 & 97	11 00	11 00	.....	3 50	1 25	5 00	.....
59 & 99	3 25	3 00	.....	1 50	60	1 50	.....
58	20 00	18 00	.....	4 50	1 50	.....	.....
70	2 15	2 00	.....	1 15	1 15	.....	60
71	2 50	2 50	.....	1 25	1 25	.....	75
72	3 50	3 50	.....	1 75	1 75	.....	85
73	4 00	4 00	.....	2 00	2 00	.....	85
74	6 00	6 00	.....	2 50	2 50	.....	1 00
75	9 50	8 50	.....	3 75	3 50	.....	1 25
76	3 50	3 50	.....	1 75	1 75	.....	85

Notice.

In ordering new front jaws for above vises, state style of vise, always give the size (square) of the sliding bar of jaw, and also state whether the broken part has "Dog" or "Collar" style of fastening, for holding in the screw, as shown in following cuts:



"Dog" Fastening.

"Collar" Fastening.

Price List Extra Parts—Continued.

VISE NUMBER.	BODY.	FRONT JAW.	BACK JAW.	SCREW & LEVER.	NUT.	BASE.	PIPE JAWS PER PAIR.	BODY & COL'MN.	SLIDING JAW.	NUT & LEVER.
81	2 50	2 50	....	1 25	40	....	1 25	....	....	....
82	4 50	3 50	....	1 50	50	....	1 50	....	....	....
83	6 50	5 00	....	1 75	60	....	3 00	....	....	....
85	.....	.....	....	....	....	....	1 00	1 75	50	75
86	.....	.....	....	....	....	....	1 25	3 00	75	1 00
88	.....	.....	....	....	....	....	1 50	5 00	1 00	1 50
181	3 00	3 00	....	1 25	40	1 00	1 00	....	....	....
182	4 50	4 50	....	1 50	50	1 25	1 25	....	....	....
182½	6 50	6 50	..	2 00	60	1 50	1 50	....	....	....
183	8 00	8 00	....	3 00	70	2 50	1 75	....	....	....
185	11 00	11 00	....	3 50	75	3 00	2 50	....	....	....
201	1 25	1 00	....	80	....	....	1 25	....	....	....
202	3 00	2 50	....	1 00	....	....	1 50	....	....	....
203	5 00	3 50	....	1 50	....	....	3 00	....	....	....
285	.....	.....	....	....	....	...	75	1 75	50	75
286	.....	.....	....	....	....	...	1 00	3 00	75	1 00
288	.....	.....	....	....	....	....	1 25	5 00	1 00	1 50
60	75	60	....	30	....	30	....	....	....	....
61	90	75	....	35	....	35	....	....	....	....
61½	1 00	80	....	50	....	40	....	....	....	....
62	1 25	1 00	....	60	....	50	....	....	....	....
63	1 75	1 75	....	80	....	70	....	....	....	...
64	2 50	2 25	....	1 25	....	70	....	....	....	....
65	.....	80	70	30	....	....	....	....	....	....
66	.....	1 00	80	50	....	....	....	....	....	....
67	.....	1 75	1 25	80	....	....	....	....	....	....
68	2 50	2 25	....	1 25	....	....	....	....	....	....
69	2 50	2 25	....	1 25	....	70	....	....	....	....
152	15	10	....	10	....	....	....	....	....	....
153	25	25	....	15	....	....	....	....	....	....
154	35	35	....	20	....	....	....	....	....	....
155	50	50	....	25	....	....	....	....	....	....
156	75	60	....	30	....	....	....	....	....	....
158	35	35	....	20	....	....	....	....	....	....
159	35	35	....	20	....	20	....	....	....	....
160	75	60	....	30	....	....	....	....	....	....
161	90	75	....	35	....	....	....	....	....	....
161½	1 00	80	....	50	....	....	....	....	....	....
162	1 25	1 00	....	60	....	....	....	....	....	....
163	1 75	1 75	....	80	....	....	....	....	....	....
164	2 50	2 25	....	1 25	....	....	....	....	....	....
168	2 00	1 75	....	80	....	....	....	....	....	....
169	2 00	1 75	....	80	....	70	....	....	....	....
300	60	75	....	30	20	....	....	....	....	....
301	75	90	....	50	20	....	....	....	....	....
302	75	90	....	50	25	....	....	....	....	....
303	75	1 00	....	60	25	....	....	....	....	....
304	1 00	1 50	....	65	25	....	....	....	....	....
305	1 50	2 00	....	1 00	25	....	....	....	....	....
306	2 00	2 50	....	1 25	25	....	....	....	....	....
307	2 50	3 25	....	1 50	35	....	....	....	....	....
308	3 25	3 75	....	1 75	40	....	....	....	....	....
326	2 50	3 25	....	1 50	35	....	....	....	....	....

PRICE LIST EXTRA PARTS—Continued.

VISE NUMBER.	BODY.	FRONT JAW.	BACK JAW.	SCREW AND LEVER.	NUT.	SWIVEL BASE.	ECCENTRIC LEVER.	ECCENTRIC LEVER PIN.
903	1 25	1 75	1 25	1 00	25	....	..	..
905	2 00	2 00	1 50	1 00	30	....	..	..
907	2 00	2 50	1 75	1 25	35	....	..	..
909	3 00	3 00	2 00	1 25	40	....	..	..
911	3 50	3 50	2 25	1 50	50	....	..	..
913	5 00	5 00	3 00	1 75	60	....	..	..
915	6 00	5 75	3 75	2 00	75	....	..	..
917	8 00	7 50	5 00	2 50	90	....	..	..
919	11 00	11 00	6 00	3 00	1 00	....	..	..
925	3 50	3 50	2 25	1 50	50	....	..	..
904	1 75	1 75	1 25	1 00	25	1 00	20	20
906	2 25	2 00	1 50	1 00	30	1 00	20	20
908	2 50	2 50	1 75	1 25	35	1 00	25	25
910	3 50	3 00	2 00	1 25	40	1 25	25	25
912	4 25	3 50	2 25	1 50	50	1 50	30	30
914	5 50	5 00	3 00	1 75	60	2 00	40	40
916	7 00	5 75	3 75	2 00	75	2 50	50	50
918	8 50	7 50	5 00	2 50	90	3 00	60	60
920	12 00	11 00	6 00	3 00	1 00	4 00	60	60
926	4 00	3 50	2 25	1 50	50	1 50	30	30
935	2 00	1 75	....	1 00	30	....	..	..
937	2 25	2 25	....	1 25	35	....	..	..
939	2 50	2 75	....	1 50	40	....	..	..
941	3 25	3 50	....	1 50	50	....	..	..
943	4 00	4 50	....	1 75	60	....	..	..
945	5 00	5 50	....	2 25	75	....	..	..
947	6 50	7 50	....	3 00	90	....	..	..
949	9 00	10 00	....	3 50	1 00	....	..	..
955	3 25	3 50	....	1 50	50	....	..	..
934	2 25	1 75	....	1 00	30	75	20	20
936	2 50	2 25	....	1 25	35	1 00	25	25
938	3 00	2 75	....	1 50	40	1 25	25	25
940	3 50	3 50	....	1 50	50	1 25	30	30
942	4 50	4 50	....	1 75	60	1 50	40	40
944	5 75	5 50	....	2 25	75	2 00	50	50
946	7 25	7 50	....	3 00	90	2 50	60	60
948	10 00	10 00	....	3 50	1 00	3 50	60	60
956	3 50	3 50	....	1 50	50	1 25	30	30
993	2 50	2 25	....	1 25	20	....	..	..
994	1 00	1 00	....	40	20	....	..	..
995	1 25	1 25	....	50	20	....	..	..
996	1 75	1 75	....	75	25	....	..	..

VISE NUMBER.	BODY.	FRONT JAW.	SCREW BAR AND LEVER.	RACK.	WORM.	SWIVEL BASE.	BASE LEVER & SCREW.	ADJ. FRONT JAW.
121	3 00	3 75	1 50	1 50	1 50	....	....	....
123	4 00	5 00	1 75	1 75	1 75	....	....	....
125	4 75	6 00	2 25	2 25	2 25	....	....	....
127	5 75	7 50	2 75	2 75	2 75	....	....	....
129	7 00	9 00	3 50	3 50	3 50	....	....	....
131	9 50	12 00	4 00	4 00	4 00	....	....	....
120	3 00	3 75	1 50	1 50	1 50	1 00	1 00	....
122	4 00	5 00	1 75	1 75	1 75	1 25	1 25	....
124	4 75	6 00	2 25	2 25	2 25	1 50	1 50	....
126	5 75	7 50	2 75	2 75	2 75	2 00	2 00	....
128	7 00	9 00	3 50	3 50	3 50	2 50	2 75	....
130	9 50	12 00	4 00	4 00	4 00	3 00	3 50	....
135	4 50	6 00	2 00	3 00	2 00	....	....	2 00
137	6 50	9 00	3 00	4 00	3 00	....	....	2 50

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